

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01
 NBI ID 9999999
 Facility Carried I ###
 Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1
 Live Load Distribution Factor 0.813
 Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 0.813

LRFD LLDF Moment											
		Span 1			Span 2			Span 3			
		R1	R2	R3	R1	R2	R3	R1	R2	R3	
1-lane DF		0.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Span 1			Span 2			Span 3			
		R1	R2	R3	R1	R2	R3	R1	R2	R3	
2-lane DF		0.564	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

LRFD LLDF Shear											
Span 1				Span 2				Span 3			
	R1	R2	R3		R1	R2	R3		R1	R2	R3
1-lane DF	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Span 1				Span 2				Span 3			
	R1	R2	R3		R1	R2	R3		R1	R2	R3
2-lane DF	0.498	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G01 01-EG001
 Symmetry:
 Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	56.786	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)
			Left	Right	
1	W	0.000	186.5	186.5	56.786
1	Z	0.000	85.0	85.0	56.786

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01

Span	Sect. Height	Top Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Thk.	Bott. Flg. Thk.	Bott. Width	Void Area	Dy	Prestress Strands	Prestress Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08		

SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Span	Sect. Area	Neutral Axis Top Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi Total Ff	
1.000	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 532.8	761.4
1.051	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 523.9	770.3
1.100	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 515.9	778.3
1.200	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 501.5	792.7
1.300	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 491.7	802.5
1.400	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 485.8	808.4
1.500	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 483.8	810.4
1.600	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 485.8	808.4
1.700	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 491.7	802.5
1.800	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 501.5	792.7
1.900	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 515.2	779.0
1.949	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 523.5	770.7
2.000	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 532.8	761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Span	Neutral Axis Top Bott.	Moment of Inertia +Bend (n=n) +Bend (n=3n)	Section Modulus +Bend (n=n) +Bend (n=3n)	
1.000	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.051	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.100	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.200	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.300	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.400	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.500	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.600	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.700	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.800	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.900	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
1.949	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7
2.000	12.30 32.70	356275.9 230449.5	28906.4 10903.7	12083.8 8887.7

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SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area Dy	
1.000	70.00	7.50	6.00	0.00	0.00
1.051	70.00	7.50	6.00	0.00	0.00
1.100	70.00	7.50	6.00	0.00	0.00
1.200	70.00	7.50	6.00	0.00	0.00
1.300	70.00	7.50	6.00	0.00	0.00
1.400	70.00	7.50	6.00	0.00	0.00
1.500	70.00	7.50	6.00	0.00	0.00
1.600	70.00	7.50	6.00	0.00	0.00
1.700	70.00	7.50	6.00	0.00	0.00
1.800	70.00	7.50	6.00	0.00	0.00
1.900	70.00	7.50	6.00	0.00	0.00
1.949	70.00	7.50	6.00	0.00	0.00
2.000	70.00	7.50	6.00	0.00	0.00

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75	(1-Lane) LL 1.75
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Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	486.49 R	0.00	388.53	0.00	420.93 R	0.00	336.17	0.00
1.200	391.2	60.1	845.27 R	0.00	675.97	0.00	731.37 R	0.00	584.88	0.00
1.300	513.5	78.9	1076.33 R	0.00	862.34	0.00	931.30 R	0.00	746.14	0.00
1.400	586.9	90.2	1209.09 R	0.00	969.74	0.00	1046.17 R	0.00	839.07	0.00
1.500	611.3	94.0	1228.84 R	0.00	987.12	0.00	1063.25 R	0.00	854.10	0.00
1.600	586.9	90.2	1209.09 R	0.00	969.74	0.00	1046.17 R	0.00	839.07	0.00
1.700	513.5	78.9	1076.33 R	0.00	862.34	0.00	931.30 R	0.00	746.14	0.00
1.800	391.2	60.1	845.27 R	0.00	675.97	0.00	731.37 R	0.00	584.88	0.00

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1.900	220.1	33.8	486.49 R	0.00	388.53	0.00	420.93 R	0.00	336.17	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	11.87	999.00	11.87	999.00	0.00	427.4 (2-Lane)
1.100	13.72	999.00	13.72	999.00	0.00	493.9 (1-Lane)
1.200	6.58	999.00	6.58	999.00	0.00	236.9 (2-Lane)
1.200	7.61	999.00	7.61	999.00	0.00	273.8 (1-Lane)
1.300	5.04	999.00	5.04	999.00	0.00	181.3 (2-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	209.6 (1-Lane)
1.400	4.41	999.00	4.41	999.00	0.00	158.9 (2-Lane)
1.400	5.10	999.00	5.10	999.00	0.00	183.6 (1-Lane)
1.500	4.32	999.00	4.32	999.00	0.00	155.5 (2-Lane)
1.500	4.99	999.00	4.99	999.00	0.00	179.7 (1-Lane)
1.600	4.41	999.00	4.41	999.00	0.00	158.9 (2-Lane)
1.600	5.10	999.00	5.10	999.00	0.00	183.6 (1-Lane)
1.700	5.04	999.00	5.04	999.00	0.00	181.3 (2-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	209.6 (1-Lane)
1.800	6.58	999.00	6.58	999.00	0.00	236.9 (2-Lane)
1.800	7.61	999.00	7.61	999.00	0.00	273.8 (1-Lane)
1.900	11.84	999.00	11.84	999.00	0.00	426.2 (2-Lane)
1.900	13.68	999.00	13.68	999.00	0.00	492.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	1.25	DW	1.25	LL	1.75	LL	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	79.70	0.00	63.46	0.00	80.02	0.00	63.71
1.100	36.9	5.3	74.22	0.00	58.99	0.00	74.52	0.00	59.22
1.200	25.8	4.0	63.18	0.00	50.02	0.00	63.44	0.00	50.22
1.300	17.2	2.7	52.46	0.00	41.37	0.00	52.67	0.00	41.54
1.400	8.6	1.3	42.06	0.00	33.04	0.00	42.23	0.00	33.17
1.500	0.0	0.0	31.97	0.00	25.02	0.00	32.10	0.00	25.12
1.600	-8.6	-1.3	-42.06	0.00	-33.04	0.00	-42.23	0.00	-33.17
1.700	-17.2	-2.7	-52.46	0.00	-41.37	0.00	-52.67	0.00	-41.54
1.800	-25.8	-4.0	-63.18	0.00	-50.02	0.00	-63.44	0.00	-50.22
1.900	-34.4	-5.3	-74.22	0.00	-58.99	0.00	-74.52	0.00	-59.22
1.949	-38.6	-11.9	-79.70	0.00	-63.46	0.00	-80.02	0.00	-63.71
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	83.5	30.2	113.7	-123.6	103.7 (2-Lane)
1.400	89.7	30.2	119.9	-129.9	110.0 (1-Lane)
1.500	50.3	47.7	97.9	-97.9	97.9 (2-Lane)
1.500	54.0	47.7	101.6	-101.6	101.6 (1-Lane)
1.600	83.5	30.2	113.7	-103.7	123.6 (2-Lane)
1.600	89.7	30.2	120.0	-110.0	129.9 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	136.36	1.96	0.00	70.7 (2-Lane)
1.051	135.82	1.96	0.00	70.4 (1-Lane)
1.100	71.86	2.50	0.00	90.0 (2-Lane)
1.100	71.57	2.49	0.00	89.6 (1-Lane)
1.200	20.16	2.31	0.00	83.0 (2-Lane)
1.200	20.08	2.30	0.00	82.7 (1-Lane)
1.300	12.24	3.15	0.00	113.5 (2-Lane)
1.300	12.19	3.14	0.00	113.1 (1-Lane)
1.400	5.22	2.47	0.00	88.8 (2-Lane)
1.400	5.46	2.61	0.00	93.8 (1-Lane)
1.500	3.06	3.06	0.00	110.3 (2-Lane)
1.500	3.17	3.17	0.00	114.0 (1-Lane)
1.600	2.47	5.22	0.00	88.8 (2-Lane)
1.600	2.61	5.46	0.00	93.8 (1-Lane)
1.700	3.15	12.24	0.00	113.5 (2-Lane)
1.700	3.14	12.19	0.00	113.1 (1-Lane)
1.800	2.31	20.16	0.00	83.0 (2-Lane)
1.800	2.30	20.08	0.00	82.7 (1-Lane)
1.900	2.57	69.09	0.00	92.6 (2-Lane)
1.900	2.56	68.82	0.00	92.2 (1-Lane)

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1.949	2.00	133.58	0.00	71.9 (2-Lane)
1.949	1.99	133.05	0.00	71.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80
			(2-Lane)	(1-Lane)

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	222.40 R	0.00	177.61	0.00	192.43 R	0.00	153.68	0.00
1.200	313.0	48.1	386.41 R	0.00	309.02	0.00	334.34 R	0.00	267.38	0.00
1.300	410.8	63.1	492.04 R	0.00	394.21	0.00	425.74 R	0.00	341.09	0.00
1.400	469.5	72.2	552.73 R	0.00	443.31	0.00	478.25 R	0.00	383.57	0.00
1.500	489.0	75.2	561.76 R	0.00	451.25	0.00	486.06 R	0.00	390.45	0.00
1.600	469.5	72.2	552.73 R	0.00	443.31	0.00	478.25 R	0.00	383.57	0.00
1.700	410.8	63.1	492.04 R	0.00	394.21	0.00	425.74 R	0.00	341.09	0.00
1.800	313.0	48.1	386.41 R	0.00	309.02	0.00	334.34 R	0.00	267.38	0.00
1.900	176.1	27.1	222.40 R	0.00	177.61	0.00	192.43 R	0.00	153.68	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 10

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	43.93	999.00	15.00	999.00	0.00	540.0 (2-Lane)
1.100	50.78	999.00	17.34	999.00	0.00	624.1 (1-Lane)
1.200	23.30	999.00	7.97	999.00	0.00	286.9 (2-Lane)
1.200	26.93	999.00	9.21	999.00	0.00	331.6 (1-Lane)
1.300	17.23	999.00	5.91	999.00	0.00	212.7 (2-Lane)
1.300	19.91	999.00	6.83	999.00	0.00	245.8 (1-Lane)
1.400	14.76	999.00	5.07	999.00	0.00	182.6 (2-Lane)

1.400	17.06	999.00	5.86	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 211.0 (1-Lane)
1.500	14.34	999.00	4.93	999.00	0.00 177.5 (2-Lane)
1.500	16.57	999.00	5.70	999.00	0.00 205.1 (1-Lane)
1.600	14.76	999.00	5.07	999.00	0.00 182.6 (2-Lane)
1.600	17.06	999.00	5.86	999.00	0.00 211.0 (1-Lane)
1.700	17.23	999.00	5.91	999.00	0.00 212.7 (2-Lane)
1.700	19.91	999.00	6.83	999.00	0.00 245.8 (1-Lane)
1.800	23.30	999.00	7.97	999.00	0.00 286.9 (2-Lane)
1.800	26.93	999.00	9.21	999.00	0.00 331.6 (1-Lane)
1.900	43.80	999.00	14.93	999.00	0.00 537.6 (2-Lane)
1.900	50.62	999.00	17.26	999.00	0.00 621.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	394.83 R	0.00	296.86	0.00	341.62 R	0.00	256.86	0.00
1.200	391.2	60.1	682.31 R	0.00	513.02	0.00	590.37 R	0.00	443.89	0.00
1.300	513.5	78.9	862.46 R	0.00	648.46	0.00	746.24 R	0.00	561.08	0.00
1.400	586.9	90.2	964.66 R	0.00	725.31	0.00	834.67 R	0.00	627.57	0.00
1.500	611.3	94.0	974.23 R	0.00	732.50	0.00	842.95 R	0.00	633.79	0.00
1.600	586.9	90.2	964.66 R	0.00	725.31	0.00	834.67 R	0.00	627.57	0.00
1.700	513.5	78.9	862.46 R	0.00	648.46	0.00	746.24 R	0.00	561.08	0.00
1.800	391.2	60.1	682.31 R	0.00	513.02	0.00	590.37 R	0.00	443.89	0.00
1.900	220.1	33.8	394.83 R	0.00	296.86	0.00	341.62 R	0.00	256.86	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: HS20

Moment

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	14.63	999.00	14.63	999.00	292.54	526.6 (2-Lane)
1.100	16.91	999.00	16.91	999.00	338.10	608.6 (1-Lane)
1.200	8.15	999.00	8.15	999.00	163.04	293.5 (2-Lane)
1.200	9.42	999.00	9.42	999.00	188.43	339.2 (1-Lane)
1.300	6.29	999.00	6.29	999.00	125.72	226.3 (2-Lane)
1.300	7.26	999.00	7.26	999.00	145.30	261.5 (1-Lane)
1.400	5.53	999.00	5.53	999.00	110.64	199.2 (2-Lane)
1.400	6.39	999.00	6.39	999.00	127.87	230.2 (1-Lane)
1.500	5.45	999.00	5.45	999.00	108.98	196.2 (2-Lane)
1.500	6.30	999.00	6.30	999.00	125.95	226.7 (1-Lane)
1.600	5.53	999.00	5.53	999.00	110.64	199.2 (2-Lane)
1.600	6.39	999.00	6.39	999.00	127.87	230.2 (1-Lane)
1.700	6.29	999.00	6.29	999.00	125.72	226.3 (2-Lane)
1.700	7.26	999.00	7.26	999.00	145.30	261.5 (1-Lane)
1.800	8.15	999.00	8.15	999.00	163.04	293.5 (2-Lane)
1.800	9.42	999.00	9.42	999.00	188.43	339.2 (1-Lane)
1.900	14.59	999.00	14.59	999.00	291.76	525.2 (2-Lane)
1.900	16.86	999.00	16.86	999.00	337.20	607.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	65.45	0.00	49.21	0.00	65.71	0.00	49.41	0.00
1.100	36.9	5.3	61.39	0.00	46.16	0.00	61.64	0.00	46.35	0.00
1.200	25.8	4.0	53.05	0.00	39.89	0.00	53.26	0.00	40.05	0.00
1.300	17.2	2.7	44.70	0.00	33.61	0.00	44.88	0.00	33.75	0.00
1.400	8.6	1.3	36.36	0.00	27.34	0.00	36.50	0.00	27.45	0.00
1.500	0.0	0.0	28.01	0.00	21.06	0.00	28.12	0.00	21.15	0.00
1.600	-8.6	-1.3	-36.36	0.00	-27.34	0.00	-36.50	0.00	-27.45	0.00
1.700	-17.2	-2.7	-44.70	0.00	-33.61	0.00	-44.88	0.00	-33.75	0.00
1.800	-25.8	-4.0	-53.05	0.00	-39.89	0.00	-53.26	0.00	-40.05	0.00
1.900	-34.4	-5.3	-61.39	0.00	-46.16	0.00	-61.64	0.00	-46.35	0.00
1.949	-38.6	-11.9	-65.45	0.00	-49.21	0.00	-65.71	0.00	-49.41	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	84.9	30.2	115.1	-125.1	105.2 (2-Lane)
1.400	90.8	30.2	121.0	-130.9	111.1 (1-Lane)
1.500	50.6	47.7	98.3	-98.3	98.3 (2-Lane)
1.500	54.0	47.7	101.7	-101.7	101.7 (1-Lane)
1.600	84.9	30.2	115.1	-105.2	125.1 (2-Lane)
1.600	90.8	30.2	121.0	-111.1	130.9 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	136.36	2.39	47.81	86.1 (2-Lane)
1.051	135.82	2.38	47.62	85.7 (1-Lane)
1.100	72.73	3.02	60.42	108.8 (2-Lane)
1.100	72.44	3.01	60.18	108.3 (1-Lane)
1.200	27.68	2.75	54.94	98.9 (2-Lane)
1.200	27.57	2.74	54.72	98.5 (1-Lane)
1.300	15.65	3.70	74.03	133.3 (2-Lane)
1.300	15.59	3.69	73.74	132.7 (1-Lane)
1.400	6.09	2.89	57.88	104.2 (2-Lane)
1.400	6.35	3.04	60.85	109.5 (1-Lane)
1.500	3.51	3.51	70.17	126.3 (2-Lane)
1.500	3.62	3.62	72.31	130.1 (1-Lane)
1.600	2.89	6.09	57.88	104.2 (2-Lane)
1.600	3.04	6.35	60.85	109.5 (1-Lane)
1.700	3.70	15.65	74.03	133.3 (2-Lane)
1.700	3.69	15.59	73.74	132.7 (1-Lane)
1.800	2.75	27.68	54.94	98.9 (2-Lane)
1.800	2.74	27.57	54.72	98.5 (1-Lane)
1.900	3.11	72.88	62.17	111.9 (2-Lane)
1.900	3.10	72.59	61.92	111.5 (1-Lane)
1.949	2.43	136.51	48.66	87.6 (2-Lane)
1.949	2.42	135.97	48.46	87.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	180.49 R	0.00	135.71	0.00	156.17 R	0.00	117.42	0.00
1.200	313.0	48.1	311.91 R	0.00	234.52	0.00	269.88 R	0.00	202.92	0.00
1.300	410.8	63.1	394.27 R	0.00	296.44	0.00	341.14 R	0.00	256.49	0.00
1.400	469.5	72.2	440.99 R	0.00	331.57	0.00	381.56 R	0.00	286.89	0.00
1.500	489.0	75.2	445.36 R	0.00	334.86	0.00	385.35 R	0.00	289.73	0.00
1.600	469.5	72.2	440.99 R	0.00	331.57	0.00	381.56 R	0.00	286.89	0.00
1.700	410.8	63.1	394.27 R	0.00	296.44	0.00	341.14 R	0.00	256.49	0.00
1.800	313.0	48.1	311.91 R	0.00	234.52	0.00	269.88 R	0.00	202.92	0.00
1.900	176.1	27.1	180.49 R	0.00	135.71	0.00	156.17 R	0.00	117.42	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	54.13	999.00	18.48	999.00	369.67	665.4 (2-Lane)
1.100	62.56	999.00	21.36	999.00	427.24	769.0 (1-Lane)
1.200	28.86	999.00	9.87	999.00	197.46	355.4 (2-Lane)
1.200	33.36	999.00	11.41	999.00	228.21	410.8 (1-Lane)
1.300	21.50	999.00	7.37	999.00	147.47	265.4 (2-Lane)
1.300	24.85	999.00	8.52	999.00	170.44	306.8 (1-Lane)
1.400	18.50	999.00	6.36	999.00	127.15	228.9 (2-Lane)
1.400	21.39	999.00	7.35	999.00	146.95	264.5 (1-Lane)
1.500	18.09	999.00	6.22	999.00	124.36	223.8 (2-Lane)
1.500	20.90	999.00	7.19	999.00	143.72	258.7 (1-Lane)
1.600	18.50	999.00	6.36	999.00	127.15	228.9 (2-Lane)
1.600	21.39	999.00	7.35	999.00	146.95	264.5 (1-Lane)
1.700	21.50	999.00	7.37	999.00	147.47	265.4 (2-Lane)
1.700	24.85	999.00	8.52	999.00	170.44	306.8 (1-Lane)
1.800	28.86	999.00	9.87	999.00	197.46	355.4 (2-Lane)
1.800	33.36	999.00	11.41	999.00	228.21	410.8 (1-Lane)
1.900	53.97	999.00	18.40	999.00	367.99	662.4 (2-Lane)
1.900	62.37	999.00	21.26	999.00	425.30	765.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	286.61 R	0.00	215.50	0.00	247.99 R	0.00	186.46	0.00
1.200	391.2	60.1	498.68 R	0.00	374.95	0.00	431.48 R	0.00	324.42	0.00
1.300	513.5	78.9	636.21 R	0.00	478.35	0.00	550.48 R	0.00	413.89	0.00
1.400	586.9	90.2	714.94 R	0.00	537.55	0.00	618.60 R	0.00	465.12	0.00
1.500	611.3	94.0	729.64 R	0.00	548.60	0.00	631.32 R	0.00	474.67	0.00
1.600	586.9	90.2	714.94 R	0.00	537.55	0.00	618.60 R	0.00	465.12	0.00
1.700	513.5	78.9	636.21 R	0.00	478.35	0.00	550.48 R	0.00	413.89	0.00
1.800	391.2	60.1	498.68 R	0.00	374.95	0.00	431.48 R	0.00	324.42	0.00
1.900	220.1	33.8	286.61 R	0.00	215.50	0.00	247.99 R	0.00	186.46	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.15	999.00	20.15	999.00	0.00	503.7 (2-Lane)
1.100	23.29	999.00	23.29	999.00	0.00	582.2 (1-Lane)
1.200	11.15	999.00	11.15	999.00	0.00	278.9 (2-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	322.3 (1-Lane)
1.300	8.52	999.00	8.52	999.00	0.00	213.0 (2-Lane)
1.300	9.85	999.00	9.85	999.00	0.00	246.2 (1-Lane)
1.400	7.46	999.00	7.46	999.00	0.00	186.6 (2-Lane)
1.400	8.63	999.00	8.63	999.00	0.00	215.7 (1-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	181.9 (2-Lane)
1.500	8.41	999.00	8.41	999.00	0.00	210.2 (1-Lane)
1.600	7.46	999.00	7.46	999.00	0.00	186.6 (2-Lane)
1.600	8.63	999.00	8.63	999.00	0.00	215.7 (1-Lane)
1.700	8.52	999.00	8.52	999.00	0.00	213.0 (2-Lane)
1.700	9.85	999.00	9.85	999.00	0.00	246.2 (1-Lane)
1.800	11.15	999.00	11.15	999.00	0.00	278.9 (2-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	322.3 (1-Lane)
1.900	20.10	999.00	20.10	999.00	0.00	502.4 (2-Lane)
1.900	23.23	999.00	23.23	999.00	0.00	580.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3

Span	DC		DW		(2-Lane) LL 1.75		(1-Lane) LL 1.75	
	Dead Load	Superimposed Dead Load	Dead Load	Superimposed Dead Load	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	47.38	0.00	35.63	0.00	47.57	0.00
1.100	36.9	5.3	44.57	0.00	33.51	0.00	44.75	0.00
1.200	25.8	4.0	38.77	0.00	29.15	0.00	38.93	0.00

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1.300	17.2	2.7	32.98	0.00	24.79	0.00	33.11	0.00	24.89
1.400	8.6	1.3	27.18	0.00	20.44	0.00	27.29	0.00	20.52
1.500	0.0	0.0	21.38	0.00	16.08	0.00	21.47	0.00	16.14
1.600	-8.6	-1.3	-27.18	0.00	-20.44	0.00	-27.29	0.00	-20.52
1.700	-17.2	-2.7	-32.98	0.00	-24.79	0.00	-33.11	0.00	-24.89
1.800	-25.8	-4.0	-38.77	0.00	-29.15	0.00	-38.93	0.00	-29.27
1.900	-34.4	-5.3	-44.57	0.00	-33.51	0.00	-44.75	0.00	-33.64
1.949	-38.6	-11.9	-47.38	0.00	-35.63	0.00	-47.57	0.00	-35.77
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

I-INV

Rating Live Load:

3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	81.4	30.2	111.6	-121.5	101.7 (2-Lane)
1.400	86.2	30.2	116.4	-126.3	106.4 (1-Lane)
1.500	46.5	47.7	94.2	-94.2	94.2 (2-Lane)
1.500	49.2	47.7	96.9	-96.9	96.9 (1-Lane)
1.600	81.4	30.2	111.6	-101.7	121.5 (2-Lane)
1.600	86.2	30.2	116.4	-106.4	126.3 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

I-INV

Rating Live Load:

3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	256.68	3.30	0.00	82.6 (2-Lane)
1.051	255.66	3.29	0.00	82.2 (1-Lane)
1.100	105.68	4.16	0.00	104.0 (2-Lane)
1.100	105.25	4.14	0.00	103.6 (1-Lane)
1.200	31.62	3.76	0.00	94.0 (2-Lane)
1.200	31.49	3.74	0.00	93.6 (1-Lane)
1.300	19.67	5.02	0.00	125.4 (2-Lane)
1.300	19.59	5.00	0.00	124.9 (1-Lane)
1.400	7.80	3.74	0.00	93.5 (2-Lane)
1.400	8.07	3.90	0.00	97.5 (1-Lane)
1.500	4.41	4.41	0.00	110.1 (2-Lane)
1.500	4.51	4.51	0.00	112.8 (1-Lane)
1.600	3.74	7.80	0.00	93.5 (2-Lane)
1.600	3.90	8.07	0.00	97.5 (1-Lane)
1.700	5.02	19.67	0.00	125.4 (2-Lane)
1.700	5.00	19.59	0.00	124.9 (1-Lane)
1.800	3.76	31.62	0.00	94.0 (2-Lane)
1.800	3.74	31.49	0.00	93.6 (1-Lane)
1.900	4.28	105.89	0.00	107.1 (2-Lane)
1.900	4.26	105.47	0.00	106.6 (1-Lane)
1.949	3.36	256.97	0.00	84.0 (2-Lane)
1.949	3.35	255.94	0.00	83.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN
 Rating Live Load: 3

Gamma	DC	DW	LL		(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	131.02 R	0.00	98.51	0.00	113.37 R	0.00	85.24	0.00
1.200	313.0	48.1	227.97 R	0.00	171.41	0.00	197.25 R	0.00	148.31	0.00
1.300	410.8	63.1	290.84 R	0.00	218.68	0.00	251.65 R	0.00	189.21	0.00
1.400	469.5	72.2	326.83 R	0.00	245.74	0.00	282.79 R	0.00	212.62	0.00
1.500	489.0	75.2	333.55 R	0.00	250.79	0.00	288.60 R	0.00	216.99	0.00
1.600	469.5	72.2	326.83 R	0.00	245.74	0.00	282.79 R	0.00	212.62	0.00
1.700	410.8	63.1	290.84 R	0.00	218.68	0.00	251.65 R	0.00	189.21	0.00
1.800	313.0	48.1	227.97 R	0.00	171.41	0.00	197.25 R	0.00	148.31	0.00
1.900	176.1	27.1	131.02 R	0.00	98.51	0.00	113.37 R	0.00	85.24	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: 3
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV S
 Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	74.57	999.00	25.46	999.00	0.00	636.6 (2-Lane)
1.100	86.18	999.00	29.43	999.00	0.00	735.7 (1-Lane)
1.200	39.49	999.00	13.51	999.00	0.00	337.7 (2-Lane)
1.200	45.64	999.00	15.61	999.00	0.00	390.3 (1-Lane)
1.300	29.15	999.00	10.00	999.00	0.00	249.9 (2-Lane)
1.300	33.68	999.00	11.55	999.00	0.00	288.8 (1-Lane)
1.400	24.97	999.00	8.58	999.00	0.00	214.5 (2-Lane)
1.400	28.86	999.00	9.91	999.00	0.00	247.9 (1-Lane)
1.500	24.15	999.00	8.30	999.00	0.00	207.6 (2-Lane)
1.500	27.91	999.00	9.60	999.00	0.00	239.9 (1-Lane)
1.600	24.97	999.00	8.58	999.00	0.00	214.5 (2-Lane)
1.600	28.86	999.00	9.91	999.00	0.00	247.9 (1-Lane)

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1.700	29.15	999.00	10.00	999.00	0.00	249.9 (2-Lane)
1.700	33.68	999.00	11.55	999.00	0.00	288.8 (1-Lane)
1.800	39.49	999.00	13.51	999.00	0.00	337.7 (2-Lane)
1.800	45.64	999.00	15.61	999.00	0.00	390.3 (1-Lane)
1.900	74.35	999.00	25.35	999.00	0.00	633.7 (2-Lane)
1.900	85.92	999.00	29.29	999.00	0.00	732.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3S2

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.75		1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	338.23 R	0.00	254.31	0.00	292.65 R	0.00	220.04	0.00
1.200	391.2	60.1	557.19 R	0.00	418.94	0.00	482.11 R	0.00	362.49	0.00
1.300	513.5	78.9	729.35 R	0.00	548.38	0.00	631.07 R	0.00	474.49	0.00
1.400	586.9	90.2	807.44 R	0.00	607.10	0.00	698.63 R	0.00	525.29	0.00
1.500	611.3	94.0	792.51 R	0.00	595.87	0.00	685.72 R	0.00	515.58	0.00
1.600	586.9	90.2	807.44 R	0.00	607.10	0.00	698.63 R	0.00	525.29	0.00
1.700	513.5	78.9	729.35 R	0.00	548.38	0.00	631.07 R	0.00	474.49	0.00
1.800	391.2	60.1	557.19 R	0.00	418.94	0.00	482.11 R	0.00	362.49	0.00
1.900	220.1	33.8	338.23 R	0.00	254.31	0.00	292.65 R	0.00	220.04	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3S2

Moment

Span	Rating top fiber +bend	Factor fiber -bend	Rating bottom fiber +bend	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.0 (1-Lane)
1.100	17.08	999.00	17.08	683.0 (2-Lane)
1.100	19.73	999.00	19.73	789.4 (1-Lane)
1.200	9.98	999.00	9.98	399.3 (2-Lane)

1.200	11.54	999.00	11.54	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 461.5 (1-Lane)
1.300	7.43	999.00	7.43	999.00	0.00 297.3 (2-Lane)
1.300	8.59	999.00	8.59	999.00	0.00 343.6 (1-Lane)
1.400	6.61	999.00	6.61	999.00	0.00 264.4 (2-Lane)
1.400	7.64	999.00	7.64	999.00	0.00 305.5 (1-Lane)
1.500	6.70	999.00	6.70	999.00	0.00 267.9 (2-Lane)
1.500	7.74	999.00	7.74	999.00	0.00 309.7 (1-Lane)
1.600	6.61	999.00	6.61	999.00	0.00 264.4 (2-Lane)
1.600	7.64	999.00	7.64	999.00	0.00 305.5 (1-Lane)
1.700	7.43	999.00	7.43	999.00	0.00 297.3 (2-Lane)
1.700	8.59	999.00	8.59	999.00	0.00 343.6 (1-Lane)
1.800	9.98	999.00	9.98	999.00	0.00 399.3 (2-Lane)
1.800	11.54	999.00	11.54	999.00	0.00 461.5 (1-Lane)
1.900	17.03	999.00	17.03	999.00	0.00 681.2 (2-Lane)
1.900	19.68	999.00	19.68	999.00	0.00 787.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	45.52	0.00	34.22	0.00	45.70	0.00
1.100	36.9	5.3	52.59	0.00	39.54	0.00	52.80	0.00
1.200	25.8	4.0	43.32	0.00	32.57	0.00	43.49	0.00
1.300	17.2	2.7	34.35	0.00	25.83	0.00	34.49	0.00
1.400	8.6	1.3	26.68	0.00	20.06	0.00	26.79	0.00
1.500	0.0	0.0	19.15	0.00	14.40	0.00	19.22	0.00
1.600	-8.6	-1.3	-26.68	0.00	-20.06	0.00	-26.79	0.00
1.700	-17.2	-2.7	-34.35	0.00	-25.83	0.00	-34.49	0.00
1.800	-25.8	-4.0	-43.32	0.00	-32.57	0.00	-43.49	0.00
1.900	-34.4	-5.3	-52.59	0.00	-39.54	0.00	-52.80	0.00
1.949	-38.6	-11.9	-57.10	0.00	-42.93	0.00	-57.33	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	76.7	30.2	107.0	-116.9	97.0 (2-Lane)
1.400	81.4	30.2	111.7	-121.6	101.7 (1-Lane)
1.500	41.7	47.7	89.4	-89.4	89.4 (2-Lane)
1.500	44.1	47.7	91.7	-91.7	91.7 (1-Lane)
1.600	76.7	30.2	107.0	-97.0	116.9 (2-Lane)
1.600	81.4	30.2	111.7	-101.7	121.6 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	256.68	3.44	0.00	137.5 (2-Lane)
1.051	255.66	3.42	0.00	137.0 (1-Lane)
1.100	105.68	3.53	0.00	141.1 (2-Lane)
1.100	105.25	3.51	0.00	140.5 (1-Lane)
1.200	31.62	3.36	0.00	134.6 (2-Lane)
1.200	31.49	3.35	0.00	134.0 (1-Lane)
1.300	19.67	4.82	0.00	192.7 (2-Lane)
1.300	19.59	4.80	0.00	191.9 (1-Lane)
1.400	8.13	3.64	0.00	145.5 (2-Lane)
1.400	8.43	3.80	0.00	151.9 (1-Lane)
1.500	4.67	4.67	0.00	186.7 (2-Lane)
1.500	4.77	4.77	0.00	190.9 (1-Lane)
1.600	3.64	8.13	0.00	145.5 (2-Lane)
1.600	3.80	8.43	0.00	151.9 (1-Lane)
1.700	4.82	19.67	0.00	192.7 (2-Lane)
1.700	4.80	19.59	0.00	191.9 (1-Lane)
1.800	3.36	31.62	0.00	134.6 (2-Lane)
1.800	3.35	31.49	0.00	134.0 (1-Lane)
1.900	3.63	105.89	0.00	145.2 (2-Lane)
1.900	3.61	105.47	0.00	144.6 (1-Lane)
1.949	2.79	256.97	0.00	111.5 (2-Lane)
1.949	2.78	255.94	0.00	111.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 34

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	154.62 R	0.00	116.26	0.00	133.78 R	0.00	100.59	0.00
1.200	313.0	48.1	254.72 R	0.00	191.52	0.00	220.39 R	0.00	165.71	0.00
1.300	410.8	63.1	333.42 R	0.00	250.69	0.00	288.49 R	0.00	216.91	0.00
1.400	469.5	72.2	369.11 R	0.00	277.53	0.00	319.38 R	0.00	240.13	0.00
1.500	489.0	75.2	362.29 R	0.00	272.40	0.00	313.47 R	0.00	235.69	0.00
1.600	469.5	72.2	369.11 R	0.00	277.53	0.00	319.38 R	0.00	240.13	0.00
1.700	410.8	63.1	333.42 R	0.00	250.69	0.00	288.49 R	0.00	216.91	0.00
1.800	313.0	48.1	254.72 R	0.00	191.52	0.00	220.39 R	0.00	165.71	0.00
1.900	176.1	27.1	154.62 R	0.00	116.26	0.00	133.78 R	0.00	100.59	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 34

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2

9999999_20120831cy17_FlexuralRpt.txt								
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	63.19	999.00	21.58	999.00	0.00	863.0 (2-Lane)
1.100	73.03	999.00	24.94	999.00	0.00	999.0 (1-Lane)
1.200	35.35	999.00	12.09	999.00	0.00	483.6 (2-Lane)
1.200	40.85	999.00	13.97	999.00	0.00	558.9 (1-Lane)
1.300	25.42	999.00	8.72	999.00	0.00	348.8 (2-Lane)
1.300	29.38	999.00	10.08	999.00	0.00	403.1 (1-Lane)
1.400	22.11	999.00	7.60	999.00	0.00	303.8 (2-Lane)
1.400	25.55	999.00	8.78	999.00	0.00	351.1 (1-Lane)
1.500	22.23	999.00	7.64	999.00	0.00	305.7 (2-Lane)
1.500	25.70	999.00	8.83	999.00	0.00	353.4 (1-Lane)
1.600	22.11	999.00	7.60	999.00	0.00	303.8 (2-Lane)
1.600	25.55	999.00	8.78	999.00	0.00	351.1 (1-Lane)
1.700	25.42	999.00	8.72	999.00	0.00	348.8 (2-Lane)
1.700	29.38	999.00	10.08	999.00	0.00	403.1 (1-Lane)
1.800	35.35	999.00	12.09	999.00	0.00	483.6 (2-Lane)
1.800	40.85	999.00	13.97	999.00	0.00	558.9 (1-Lane)
1.900	63.00	999.00	21.48	999.00	0.00	859.1 (2-Lane)
1.900	72.81	999.00	24.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 36

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	290.28 R	0.00	218.26	0.00	251.16 R	0.00	188.85	0.00
1.200	391.2	60.1	479.18 R	0.00	360.29	0.00	414.61 R	0.00	311.74	0.00
1.300	513.5	78.9	600.31 R	0.00	451.36	0.00	519.42 R	0.00	390.54	0.00
1.400	586.9	90.2	630.56 R	0.00	474.10	0.00	545.59 R	0.00	410.22	0.00
1.500	611.3	94.0	668.64 R	0.00	502.74	0.00	578.54 R	0.00	435.00	0.00
1.600	586.9	90.2	630.56 R	0.00	474.10	0.00	545.59 R	0.00	410.22	0.00
1.700	513.5	78.9	600.31 R	0.00	451.36	0.00	519.42 R	0.00	390.54	0.00
1.800	391.2	60.1	479.18 R	0.00	360.29	0.00	414.61 R	0.00	311.74	0.00
1.900	220.1	33.8	290.28 R	0.00	218.26	0.00	251.16 R	0.00	188.85	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 37

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	19.90	999.00	19.90	999.00	795.8 (2-Lane)
1.100	22.99	999.00	22.99	999.00	919.8 (1-Lane)
1.200	11.61	999.00	11.61	999.00	464.3 (2-Lane)
1.200	13.42	999.00	13.42	999.00	536.6 (1-Lane)
1.300	9.03	999.00	9.03	999.00	361.2 (2-Lane)
1.300	10.44	999.00	10.44	999.00	417.5 (1-Lane)
1.400	8.46	999.00	8.46	999.00	338.5 (2-Lane)
1.400	9.78	999.00	9.78	999.00	391.3 (1-Lane)
1.500	7.94	999.00	7.94	999.00	317.6 (2-Lane)
1.500	9.18	999.00	9.18	999.00	367.0 (1-Lane)
1.600	8.46	999.00	8.46	999.00	338.5 (2-Lane)
1.600	9.78	999.00	9.78	999.00	391.3 (1-Lane)
1.700	9.03	999.00	9.03	999.00	361.2 (2-Lane)
1.700	10.44	999.00	10.44	999.00	417.5 (1-Lane)
1.800	11.61	999.00	11.61	999.00	464.3 (2-Lane)
1.800	13.42	999.00	13.42	999.00	536.6 (1-Lane)
1.900	19.84	999.00	19.84	999.00	793.7 (2-Lane)
1.900	22.93	999.00	22.93	999.00	917.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 39

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	48.97	0.00	36.82	0.00	49.16	0.00
1.100	36.9	5.3	45.14	0.00	33.94	0.00	45.32	0.00
1.200	25.8	4.0	37.25	0.00	28.01	0.00	37.40	0.00
1.300	17.2	2.7	29.37	0.00	22.08	0.00	29.49	0.00
1.400	8.6	1.3	22.93	0.00	17.24	0.00	23.02	0.00
1.500	0.0	0.0	17.83	0.00	13.40	0.00	17.90	0.00
1.600	-8.6	-1.3	-22.93	0.00	-17.24	0.00	-23.02	0.00
1.700	-17.2	-2.7	-29.37	0.00	-22.08	0.00	-29.49	0.00
1.800	-25.8	-4.0	-37.25	0.00	-28.01	0.00	-37.40	0.00
1.900	-34.4	-5.3	-45.14	0.00	-33.94	0.00	-45.32	0.00
1.949	-38.6	-11.9	-48.97	0.00	-36.82	0.00	-49.16	0.00

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      LOAD ANALYSIS AND RATING SYSTEM  -- LRFD  v5.00.06.09          PAGE  40
      STRENGTH  SHEAR  RESISTANCE  REPORT

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	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	77.8	30.2	108.0	-118.0	98.1 (2-Lane)
1.400	82.0	30.2	112.3	-122.2	102.3 (1-Lane)
1.500	42.1	47.7	89.8	-89.8	89.8 (2-Lane)
1.500	44.3	47.7	92.0	-92.0	92.0 (1-Lane)
1.600	77.8	30.2	108.0	-98.1	118.0 (2-Lane)
1.600	82.0	30.2	112.3	-102.3	122.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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      LOAD ANALYSIS AND RATING SYSTEM  -- LRFD  v5.00.06.09          PAGE  41
      STRENGTH  SHEAR  RESISTANCE  RATING  REPORT

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Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	311.69	3.19	0.00	127.8 (2-Lane)
1.051	310.44	3.18	0.00	127.3 (1-Lane)
1.100	128.32	4.11	0.00	164.4 (2-Lane)
1.100	127.81	4.09	0.00	163.7 (1-Lane)
1.200	38.40	3.91	0.00	156.5 (2-Lane)
1.200	38.24	3.90	0.00	155.8 (1-Lane)
1.300	23.88	5.63	0.00	225.3 (2-Lane)
1.300	23.78	5.61	0.00	224.4 (1-Lane)
1.400	9.27	4.28	0.00	171.2 (2-Lane)
1.400	9.56	4.45	0.00	177.8 (1-Lane)
1.500	5.04	5.04	0.00	201.5 (2-Lane)
1.500	5.14	5.14	0.00	205.6 (1-Lane)
1.600	4.28	9.27	0.00	171.2 (2-Lane)
1.600	4.45	9.56	0.00	177.8 (1-Lane)
1.700	5.63	23.88	0.00	225.3 (2-Lane)
1.700	5.61	23.78	0.00	224.4 (1-Lane)
1.800	3.91	38.40	0.00	156.5 (2-Lane)
1.800	3.90	38.24	0.00	155.8 (1-Lane)
1.900	4.23	128.58	0.00	169.1 (2-Lane)
1.900	4.21	128.07	0.00	168.5 (1-Lane)
1.949	3.25	312.03	0.00	130.1 (2-Lane)
1.949	3.24	310.78	0.00	129.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 42

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

III-IN

Rating Live Load:

3-3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	132.70 R	0.00	99.77	0.00	114.82 R	0.00	86.33	0.00
1.200	313.0	48.1	219.05 R	0.00	164.70	0.00	189.54 R	0.00	142.51	0.00
1.300	410.8	63.1	274.43 R	0.00	206.34	0.00	237.45 R	0.00	178.53	0.00
1.400	469.5	72.2	288.25 R	0.00	216.73	0.00	249.41 R	0.00	187.53	0.00
1.500	489.0	75.2	305.67 R	0.00	229.82	0.00	264.48 R	0.00	198.85	0.00
1.600	469.5	72.2	288.25 R	0.00	216.73	0.00	249.41 R	0.00	187.53	0.00
1.700	410.8	63.1	274.43 R	0.00	206.34	0.00	237.45 R	0.00	178.53	0.00
1.800	313.0	48.1	219.05 R	0.00	164.70	0.00	189.54 R	0.00	142.51	0.00
1.900	176.1	27.1	132.70 R	0.00	99.77	0.00	114.82 R	0.00	86.33	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 42

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

III-INV

Rating Live Load:

STRESSES

Rating Type:

3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 43

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

III-INV S

Rating Live Load:

3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	73.63	999.00	25.14	999.00	0.00	999.0 (2-Lane)
1.100	85.10	999.00	29.06	999.00	0.00	999.0 (1-Lane)
1.200	41.10	999.00	14.06	999.00	0.00	562.3 (2-Lane)
1.200	47.50	999.00	16.25	999.00	0.00	649.9 (1-Lane)
1.300	30.89	999.00	10.59	999.00	0.00	423.7 (2-Lane)
1.300	35.70	999.00	12.24	999.00	0.00	489.7 (1-Lane)
1.400	28.31	999.00	9.73	999.00	0.00	389.0 (2-Lane)
1.400	32.72	999.00	11.24	999.00	0.00	449.6 (1-Lane)
1.500	26.35	999.00	9.06	999.00	0.00	362.4 (2-Lane)
1.500	30.46	999.00	10.47	999.00	0.00	418.8 (1-Lane)
1.600	28.31	999.00	9.73	999.00	0.00	389.0 (2-Lane)
1.600	32.72	999.00	11.24	999.00	0.00	449.6 (1-Lane)
1.700	30.89	999.00	10.59	999.00	0.00	423.7 (2-Lane)
1.700	35.70	999.00	12.24	999.00	0.00	489.7 (1-Lane)
1.800	41.10	999.00	14.06	999.00	0.00	562.3 (2-Lane)
1.800	47.50	999.00	16.25	999.00	0.00	649.9 (1-Lane)
1.900	73.41	999.00	25.03	999.00	0.00	999.0 (2-Lane)
1.900	84.84	999.00	28.92	999.00	0.00	999.0 (1-Lane)

1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	316.60 R	0.00	238.04	0.00	273.94 R	0.00	205.97	0.00
1.200	391.2	60.1	552.69 R	0.00	415.56	0.00	478.22 R	0.00	359.56	0.00
1.300	513.5	78.9	708.28 R	0.00	532.54	0.00	612.84 R	0.00	460.78	0.00
1.400	586.9	90.2	807.51 R	0.00	607.15	0.00	698.70 R	0.00	525.34	0.00
1.500	611.3	94.0	830.43 R	0.00	624.39	0.00	718.53 R	0.00	540.25	0.00
1.600	586.9	90.2	807.51 R	0.00	607.15	0.00	698.70 R	0.00	525.34	0.00
1.700	513.5	78.9	708.28 R	0.00	532.54	0.00	612.84 R	0.00	460.78	0.00
1.800	391.2	60.1	552.69 R	0.00	415.56	0.00	478.22 R	0.00	359.56	0.00
1.900	220.1	33.8	316.60 R	0.00	238.04	0.00	273.94 R	0.00	205.97	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.24	999.00	18.24	999.00	0.00	492.5 (2-Lane)
1.100	21.08	999.00	21.08	999.00	0.00	569.2 (1-Lane)
1.200	10.06	999.00	10.06	999.00	0.00	271.7 (2-Lane)
1.200	11.63	999.00	11.63	999.00	0.00	314.0 (1-Lane)
1.300	7.65	999.00	7.65	999.00	0.00	206.7 (2-Lane)
1.300	8.85	999.00	8.85	999.00	0.00	238.8 (1-Lane)
1.400	6.61	999.00	6.61	999.00	0.00	178.4 (2-Lane)
1.400	7.64	999.00	7.64	999.00	0.00	206.2 (1-Lane)

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1.500	6.39	999.00	6.39	999.00	0.00 172.6 (2-Lane)
1.500	7.39	999.00	7.39	999.00	0.00 199.5 (1-Lane)
1.600	6.61	999.00	6.61	999.00	0.00 178.4 (2-Lane)
1.600	7.64	999.00	7.64	999.00	0.00 206.2 (1-Lane)
1.700	7.65	999.00	7.65	999.00	0.00 206.7 (2-Lane)
1.700	8.85	999.00	8.85	999.00	0.00 238.8 (1-Lane)
1.800	10.06	999.00	10.06	999.00	0.00 271.7 (2-Lane)
1.800	11.63	999.00	11.63	999.00	0.00 314.0 (1-Lane)
1.900	18.19	999.00	18.19	999.00	0.00 491.2 (2-Lane)
1.900	21.03	999.00	21.03	999.00	0.00 567.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU4

		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.75	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	52.27	0.00	39.30	0.00	52.48	0.00	39.46	0.00
1.100	36.9	5.3	49.23	0.00	37.01	0.00	49.43	0.00	37.16	0.00
1.200	25.8	4.0	42.97	0.00	32.31	0.00	43.14	0.00	32.44	0.00
1.300	17.2	2.7	36.71	0.00	27.60	0.00	36.86	0.00	27.71	0.00
1.400	8.6	1.3	30.45	0.00	22.90	0.00	30.57	0.00	22.99	0.00
1.500	0.0	0.0	24.19	0.00	18.19	0.00	24.29	0.00	18.26	0.00
1.600	-8.6	-1.3	-30.45	0.00	-22.90	0.00	-30.57	0.00	-22.99	0.00
1.700	-17.2	-2.7	-36.71	0.00	-27.60	0.00	-36.86	0.00	-27.71	0.00
1.800	-25.8	-4.0	-42.97	0.00	-32.31	0.00	-43.14	0.00	-32.44	0.00
1.900	-34.4	-5.3	-49.23	0.00	-37.01	0.00	-49.43	0.00	-37.16	0.00
1.949	-38.6	-11.9	-52.27	0.00	-39.30	0.00	-52.48	0.00	-39.46	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	82.6	30.2	112.8	-122.8	102.9 (2-Lane)
1.400	87.8	30.2	118.0	-128.0	108.1 (1-Lane)
1.500	48.5	47.7	96.2	-96.2	96.2 (2-Lane)
1.500	51.5	47.7	99.1	-99.1	99.1 (1-Lane)
1.600	82.6	30.2	112.8	-102.9	122.8 (2-Lane)
1.600	87.8	30.2	118.0	-108.1	128.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 49

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	256.68	2.99	0.00	80.8 (2-Lane)
1.051	255.66	2.98	0.00	80.5 (1-Lane)
1.100	105.68	3.77	0.00	101.7 (2-Lane)
1.100	105.25	3.75	0.00	101.3 (1-Lane)
1.200	29.16	3.39	0.00	91.6 (2-Lane)
1.200	29.04	3.38	0.00	91.2 (1-Lane)
1.300	17.23	4.51	0.00	121.7 (2-Lane)
1.300	17.16	4.49	0.00	121.2 (1-Lane)
1.400	6.85	3.38	0.00	91.2 (2-Lane)
1.400	7.11	3.54	0.00	95.5 (1-Lane)
1.500	3.97	3.97	0.00	107.3 (2-Lane)
1.500	4.08	4.08	0.00	110.2 (1-Lane)
1.600	3.38	6.85	0.00	91.2 (2-Lane)
1.600	3.54	7.11	0.00	95.5 (1-Lane)
1.700	4.51	17.23	0.00	121.7 (2-Lane)
1.700	4.49	17.16	0.00	121.2 (1-Lane)
1.800	3.39	29.16	0.00	91.6 (2-Lane)
1.800	3.38	29.04	0.00	91.2 (1-Lane)
1.900	3.88	105.89	0.00	104.7 (2-Lane)
1.900	3.86	105.47	0.00	104.3 (1-Lane)
1.949	3.05	256.97	0.00	82.3 (2-Lane)
1.949	3.03	255.94	0.00	81.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	144.73 R	0.00	108.82	0.00	125.23 R	0.00	94.16	0.00
1.200	313.0	48.1	252.66 R	0.00	189.97	0.00	218.61 R	0.00	164.37	0.00
1.300	410.8	63.1	323.78 R	0.00	243.45	0.00	280.15 R	0.00	210.64	0.00
1.400	469.5	72.2	369.15 R	0.00	277.55	0.00	319.40 R	0.00	240.15	0.00
1.500	489.0	75.2	379.63 R	0.00	285.43	0.00	328.47 R	0.00	246.97	0.00
1.600	469.5	72.2	369.15 R	0.00	277.55	0.00	319.40 R	0.00	240.15	0.00
1.700	410.8	63.1	323.78 R	0.00	243.45	0.00	280.15 R	0.00	210.64	0.00
1.800	313.0	48.1	252.66 R	0.00	189.97	0.00	218.61 R	0.00	164.37	0.00
1.900	176.1	27.1	144.73 R	0.00	108.82	0.00	125.23 R	0.00	94.16	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 50

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: III-INV S
 Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	67.51	999.00	23.05	999.00	0.00	622.4 (2-Lane)
1.100	78.02	999.00	26.64	999.00	0.00	719.3 (1-Lane)
1.200	35.63	999.00	12.19	999.00	0.00	329.1 (2-Lane)
1.200	41.18	999.00	14.09	999.00	0.00	380.3 (1-Lane)
1.300	26.18	999.00	8.98	999.00	0.00	242.4 (2-Lane)
1.300	30.26	999.00	10.38	999.00	0.00	280.2 (1-Lane)
1.400	22.11	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.400	25.55	999.00	8.78	999.00	0.00	237.0 (1-Lane)
1.500	21.22	999.00	7.29	999.00	0.00	196.9 (2-Lane)
1.500	24.52	999.00	8.43	999.00	0.00	227.6 (1-Lane)
1.600	22.11	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.600	25.55	999.00	8.78	999.00	0.00	237.0 (1-Lane)
1.700	26.18	999.00	8.98	999.00	0.00	242.4 (2-Lane)
1.700	30.26	999.00	10.38	999.00	0.00	280.2 (1-Lane)
1.800	35.63	999.00	12.19	999.00	0.00	329.1 (2-Lane)
1.800	41.18	999.00	14.09	999.00	0.00	380.3 (1-Lane)
1.900	67.30	999.00	22.95	999.00	0.00	619.5 (2-Lane)
1.900	77.79	999.00	26.52	999.00	0.00	716.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-INV
 Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)			(1-Lane)				
	1.25	1.25	LL	LL	LL	LL	LL	LL		
			1.75					1.75		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	351.37 R	0.00	264.19	0.00	304.02 R	0.00	228.59	0.00
1.200	391.2	60.1	610.30 R	0.00	458.87	0.00	528.06 R	0.00	397.04	0.00
1.300	513.5	78.9	785.20 R	0.00	590.38	0.00	679.40 R	0.00	510.82	0.00
1.400	586.9	90.2	891.82 R	0.00	670.54	0.00	771.65 R	0.00	580.19	0.00
1.500	611.3	94.0	906.01 R	0.00	681.21	0.00	783.92 R	0.00	589.42	0.00
1.600	586.9	90.2	891.82 R	0.00	670.54	0.00	771.65 R	0.00	580.19	0.00
1.700	513.5	78.9	785.20 R	0.00	590.38	0.00	679.40 R	0.00	510.82	0.00
1.800	391.2	60.1	610.30 R	0.00	458.87	0.00	528.06 R	0.00	397.04	0.00
1.900	220.1	33.8	351.37 R	0.00	264.19	0.00	304.02 R	0.00	228.59	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-INV
 Rating Live Load: SU5

Span	Moment Positive Top	Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
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1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.44	999.00	16.44	999.00	0.00	509.5 (2-Lane)
1.100	19.00	999.00	19.00	999.00	0.00	588.9 (1-Lane)
1.200	9.11	999.00	9.11	999.00	0.00	282.5 (2-Lane)
1.200	10.53	999.00	10.53	999.00	0.00	326.5 (1-Lane)
1.300	6.90	999.00	6.90	999.00	0.00	214.0 (2-Lane)
1.300	7.98	999.00	7.98	999.00	0.00	247.4 (1-Lane)
1.400	5.98	999.00	5.98	999.00	0.00	185.5 (2-Lane)
1.400	6.92	999.00	6.92	999.00	0.00	214.4 (1-Lane)
1.500	5.86	999.00	5.86	999.00	0.00	181.6 (2-Lane)
1.500	6.77	999.00	6.77	999.00	0.00	209.9 (1-Lane)
1.600	5.98	999.00	5.98	999.00	0.00	185.5 (2-Lane)
1.600	6.92	999.00	6.92	999.00	0.00	214.4 (1-Lane)
1.700	6.90	999.00	6.90	999.00	0.00	214.0 (2-Lane)
1.700	7.98	999.00	7.98	999.00	0.00	247.4 (1-Lane)
1.800	9.11	999.00	9.11	999.00	0.00	282.5 (2-Lane)
1.800	10.53	999.00	10.53	999.00	0.00	326.5 (1-Lane)
1.900	16.39	999.00	16.39	999.00	0.00	508.2 (2-Lane)
1.900	18.94	999.00	18.94	999.00	0.00	587.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.75	LL	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	58.13	0.00	43.71	0.00
1.100	36.9	5.3	54.63	0.00	41.08	0.00
1.200	25.8	4.0	47.45	0.00	35.68	0.00
1.300	17.2	2.7	40.26	0.00	30.27	0.00
1.400	8.6	1.3	33.08	0.00	24.87	0.00
1.500	0.0	0.0	25.89	0.00	19.47	0.00
1.600	-8.6	-1.3	-33.08	0.00	-24.87	0.00
1.700	-17.2	-2.7	-40.26	0.00	-30.27	0.00
1.800	-25.8	-4.0	-47.45	0.00	-35.68	0.00
1.900	-34.4	-5.3	-54.63	0.00	-41.08	0.00
1.949	-38.6	-11.9	-58.13	0.00	-43.71	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01
 Rating Type: I-INV
 Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	83.1	30.2	113.3	-123.3	103.4 (2-Lane)
1.400	88.6	30.2	118.8	-128.8	108.9 (1-Lane)
1.500	49.2	47.7	96.9	-96.9	96.9 (2-Lane)
1.500	52.4	47.7	100.0	-100.0	100.0 (1-Lane)
1.600	83.1	30.2	113.3	-103.4	123.3 (2-Lane)
1.600	88.6	30.2	118.8	-108.9	128.8 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 57
 STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01
 Rating Type: I-INV
 Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	256.68	2.69	0.00	83.4 (2-Lane)
1.051	255.66	2.68	0.00	83.1 (1-Lane)
1.100	105.68	3.39	0.00	105.2 (2-Lane)
1.100	105.25	3.38	0.00	104.8 (1-Lane)
1.200	29.16	3.07	0.00	95.2 (2-Lane)
1.200	29.04	3.06	0.00	94.8 (1-Lane)
1.300	16.12	4.11	0.00	127.4 (2-Lane)
1.300	16.05	4.09	0.00	126.9 (1-Lane)
1.400	6.59	3.13	0.00	96.9 (2-Lane)
1.400	6.86	3.28	0.00	101.6 (1-Lane)
1.500	3.74	3.74	0.00	116.0 (2-Lane)
1.500	3.85	3.85	0.00	119.3 (1-Lane)
1.600	3.13	6.59	0.00	96.9 (2-Lane)
1.600	3.28	6.86	0.00	101.6 (1-Lane)
1.700	4.11	16.12	0.00	127.4 (2-Lane)
1.700	4.09	16.05	0.00	126.9 (1-Lane)
1.800	3.07	29.16	0.00	95.2 (2-Lane)
1.800	3.06	29.04	0.00	94.8 (1-Lane)
1.900	3.49	105.89	0.00	108.3 (2-Lane)
1.900	3.48	105.47	0.00	107.9 (1-Lane)
1.949	2.74	256.97	0.00	84.9 (2-Lane)
1.949	2.73	255.94	0.00	84.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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 SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01
 Rating Type: III-IN
 Rating Live Load: SU5

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	160.63 R	0.00	120.77	0.00	138.98 R	0.00	104.50	0.00
1.200	313.0	48.1	278.99 R	0.00	209.77	0.00	241.40 R	0.00	181.50	0.00
1.300	410.8	63.1	358.95 R	0.00	269.89	0.00	310.58 R	0.00	233.52	0.00
1.400	469.5	72.2	407.69 R	0.00	306.53	0.00	352.75 R	0.00	265.23	0.00
1.500	489.0	75.2	414.18 R	0.00	311.41	0.00	358.37 R	0.00	269.45	0.00
1.600	469.5	72.2	407.69 R	0.00	306.53	0.00	352.75 R	0.00	265.23	0.00
1.700	410.8	63.1	358.95 R	0.00	269.89	0.00	310.58 R	0.00	233.52	0.00
1.800	313.0	48.1	278.99 R	0.00	209.77	0.00	241.40 R	0.00	181.50	0.00
1.900	176.1	27.1	160.63 R	0.00	120.77	0.00	138.98 R	0.00	104.50	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load: SU5

Span	Service Resistance	Available Resistance for LL+I		
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00
1.000	999.00	999.00	999.00	999.00
1.051	999.00	999.00	999.00	999.00
1.051	999.00	999.00	999.00	999.00
1.100	60.83	999.00	20.77	999.00
1.100	70.30	999.00	24.00	999.00
1.200	32.27	999.00	11.04	999.00
1.200	37.30	999.00	12.76	999.00
1.300	23.61	999.00	8.10	999.00
1.300	27.29	999.00	9.36	999.00
1.400	20.02	999.00	6.88	999.00
1.400	23.13	999.00	7.95	999.00
1.500	19.45	999.00	6.69	999.00
1.500	22.48	999.00	7.73	999.00
1.600	20.02	999.00	6.88	999.00
1.600	23.13	999.00	7.95	999.00
1.700	23.61	999.00	8.10	999.00
1.700	27.29	999.00	9.36	999.00
1.800	32.27	999.00	11.04	999.00
1.800	37.30	999.00	12.76	999.00
1.900	60.64	999.00	20.67	999.00
1.900	70.09	999.00	23.90	999.00
1.949	999.00	999.00	999.00	999.00
1.949	999.00	999.00	999.00	999.00
2.000	999.00	999.00	999.00	999.00
2.000	999.00	999.00	999.00	999.00

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	370.84 R	0.00	278.82	0.00	320.87 R	0.00	241.25	0.00
1.200	391.2	60.1	669.04 R	0.00	503.03	0.00	578.88 R	0.00	435.25	0.00
1.300	513.5	78.9	869.13 R	0.00	653.48	0.00	752.02 R	0.00	565.43	0.00
1.400	586.9	90.2	980.32 R	0.00	737.08	0.00	848.22 R	0.00	637.76	0.00
1.500	611.3	94.0	1009.68 R	0.00	759.16	0.00	873.62 R	0.00	656.86	0.00
1.600	586.9	90.2	980.32 R	0.00	737.08	0.00	848.22 R	0.00	637.76	0.00
1.700	513.5	78.9	869.13 R	0.00	653.48	0.00	752.02 R	0.00	565.43	0.00
1.800	391.2	60.1	669.04 R	0.00	503.03	0.00	578.88 R	0.00	435.25	0.00
1.900	220.1	33.8	370.84 R	0.00	278.82	0.00	320.86 R	0.00	241.25	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.57	999.00	15.57	999.00	0.00	541.2 (2-Lane)
1.100	18.00	999.00	18.00	999.00	0.00	625.5 (1-Lane)
1.200	8.31	999.00	8.31	999.00	0.00	288.9 (2-Lane)
1.200	9.61	999.00	9.61	999.00	0.00	333.9 (1-Lane)
1.300	6.24	999.00	6.24	999.00	0.00	216.8 (2-Lane)
1.300	7.21	999.00	7.21	999.00	0.00	250.5 (1-Lane)
1.400	5.44	999.00	5.44	999.00	0.00	189.2 (2-Lane)
1.400	6.29	999.00	6.29	999.00	0.00	218.6 (1-Lane)
1.500	5.26	999.00	5.26	999.00	0.00	182.7 (2-Lane)
1.500	6.08	999.00	6.08	999.00	0.00	211.2 (1-Lane)
1.600	5.44	999.00	5.44	999.00	0.00	189.2 (2-Lane)
1.600	6.29	999.00	6.29	999.00	0.00	218.6 (1-Lane)
1.700	6.24	999.00	6.24	999.00	0.00	216.8 (2-Lane)
1.700	7.21	999.00	7.21	999.00	0.00	250.5 (1-Lane)

1.800	8.31	999.00	8.31	999.00	0.00	288.9 (2-Lane)
1.800	9.61	999.00	9.61	999.00	0.00	333.9 (1-Lane)
1.900	15.53	999.00	15.53	999.00	0.00	539.7 (2-Lane)
1.900	17.95	999.00	17.95	999.00	0.00	623.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 63

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	61.58	0.00	46.30	0.00	61.82	0.00	46.48	0.00
1.100	36.9	5.3	57.66	0.00	43.35	0.00	57.89	0.00	43.53	0.00
1.200	25.8	4.0	49.61	0.00	37.30	0.00	49.81	0.00	37.45	0.00
1.300	17.2	2.7	41.55	0.00	31.24	0.00	41.72	0.00	31.37	0.00
1.400	8.6	1.3	33.49	0.00	25.18	0.00	33.63	0.00	25.29	0.00
1.500	0.0	0.0	25.44	0.00	19.13	0.00	25.54	0.00	19.20	0.00
1.600	-8.6	-1.3	-33.49	0.00	-25.18	0.00	-33.63	0.00	-25.29	0.00
1.700	-17.2	-2.7	-41.55	0.00	-31.24	0.00	-41.72	0.00	-31.37	0.00
1.800	-25.8	-4.0	-49.61	0.00	-37.30	0.00	-49.81	0.00	-37.45	0.00
1.900	-34.4	-5.3	-57.66	0.00	-43.35	0.00	-57.89	0.00	-43.53	0.00
1.949	-38.6	-11.9	-61.58	0.00	-46.30	0.00	-61.82	0.00	-46.48	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	80.3	30.2	110.5	-120.5	100.6 (2-Lane)
1.400	85.8	30.2	116.0	-125.9	106.1 (1-Lane)
1.500	46.4	47.7	94.0	-94.0	94.0 (2-Lane)
1.500	49.5	47.7	97.1	-97.1	97.1 (1-Lane)
1.600	80.3	30.2	110.5	-100.6	120.5 (2-Lane)
1.600	85.8	30.2	116.0	-106.1	125.9 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	379.45	2.54	0.00	88.3 (2-Lane)
1.051	377.93	2.53	0.00	87.9 (1-Lane)
1.100	178.69	3.22	0.00	111.8 (2-Lane)
1.100	177.98	3.20	0.00	111.3 (1-Lane)
1.200	36.85	2.94	0.00	102.1 (2-Lane)
1.200	36.70	2.93	0.00	101.7 (1-Lane)
1.300	17.95	3.98	0.00	138.4 (2-Lane)
1.300	17.88	3.97	0.00	137.8 (1-Lane)
1.400	6.64	3.00	0.00	104.4 (2-Lane)
1.400	6.91	3.15	0.00	109.6 (1-Lane)
1.500	3.70	3.70	0.00	128.5 (2-Lane)
1.500	3.80	3.80	0.00	132.1 (1-Lane)
1.600	3.00	6.64	0.00	104.4 (2-Lane)
1.600	3.15	6.91	0.00	109.6 (1-Lane)
1.700	3.98	17.95	0.00	138.4 (2-Lane)
1.700	3.97	17.88	0.00	137.8 (1-Lane)
1.800	2.94	36.85	0.00	102.1 (2-Lane)
1.800	2.93	36.70	0.00	101.7 (1-Lane)
1.900	3.31	179.06	0.00	115.0 (2-Lane)
1.900	3.30	178.35	0.00	114.6 (1-Lane)
1.949	2.59	379.86	0.00	89.9 (2-Lane)
1.949	2.58	378.34	0.00	89.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	169.53 R	0.00	127.46	0.00	146.68 R	0.00	110.29	0.00
1.200	313.0	48.1	305.85 R	0.00	229.96	0.00	264.63 R	0.00	198.97	0.00
1.300	410.8	63.1	397.32 R	0.00	298.74	0.00	343.78 R	0.00	258.48	0.00
1.400	469.5	72.2	448.15 R	0.00	336.95	0.00	387.76 R	0.00	291.55	0.00
1.500	489.0	75.2	461.57 R	0.00	347.04	0.00	399.37 R	0.00	300.28	0.00
1.600	469.5	72.2	448.15 R	0.00	336.95	0.00	387.76 R	0.00	291.55	0.00
1.700	410.8	63.1	397.32 R	0.00	298.74	0.00	343.78 R	0.00	258.48	0.00
1.800	313.0	48.1	305.85 R	0.00	229.96	0.00	264.63 R	0.00	198.97	0.00
1.900	176.1	27.1	169.52 R	0.00	127.46	0.00	146.68 R	0.00	110.29	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 66

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: III-INV S
 Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	57.63	999.00	19.68	999.00	0.00	683.9 (2-Lane)
1.100	66.61	999.00	22.74	999.00	0.00	790.4 (1-Lane)
1.200	29.44	999.00	10.07	999.00	0.00	349.9 (2-Lane)
1.200	34.02	999.00	11.64	999.00	0.00	404.4 (1-Lane)
1.300	21.33	999.00	7.32	999.00	0.00	254.3 (2-Lane)
1.300	24.66	999.00	8.46	999.00	0.00	293.9 (1-Lane)
1.400	18.21	999.00	6.26	999.00	0.00	217.4 (2-Lane)
1.400	21.05	999.00	7.23	999.00	0.00	251.3 (1-Lane)
1.500	17.45	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.500	20.17	999.00	6.93	999.00	0.00	240.9 (1-Lane)
1.600	18.21	999.00	6.26	999.00	0.00	217.4 (2-Lane)
1.600	21.05	999.00	7.23	999.00	0.00	251.3 (1-Lane)
1.700	21.33	999.00	7.32	999.00	0.00	254.3 (2-Lane)
1.700	24.66	999.00	8.46	999.00	0.00	293.9 (1-Lane)
1.800	29.44	999.00	10.07	999.00	0.00	349.9 (2-Lane)
1.800	34.02	999.00	11.64	999.00	0.00	404.4 (1-Lane)
1.900	57.46	999.00	19.59	999.00	0.00	680.8 (2-Lane)
1.900	66.41	999.00	22.64	999.00	0.00	786.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 68

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-INV
 Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	388.01 R	0.00	291.74	0.00	335.73 R	0.00	252.43	0.00
1.200	391.2	60.1	699.87 R	0.00	526.22	0.00	605.56 R	0.00	455.31	0.00
1.300	513.5	78.9	935.56 R	0.00	703.43	0.00	809.49 R	0.00	608.64	0.00
1.400	586.9	90.2	1058.33 R	0.00	795.74	0.00	915.72 R	0.00	688.51	0.00
1.500	611.3	94.0	1095.76 R	0.00	823.88	0.00	948.10 R	0.00	712.86	0.00
1.600	586.9	90.2	1058.33 R	0.00	795.74	0.00	915.72 R	0.00	688.51	0.00
1.700	513.5	78.9	935.56 R	0.00	703.43	0.00	809.49 R	0.00	608.64	0.00
1.800	391.2	60.1	699.87 R	0.00	526.22	0.00	605.56 R	0.00	455.31	0.00
1.900	220.1	33.8	388.01 R	0.00	291.74	0.00	335.73 R	0.00	252.43	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 69

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-INV
 Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Negative Bott.	Available Resistance for LL+I Positive Top	Negative Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1

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1.700 6013.7 6013.7 0.0 0.0 5421.3 5421.3 -592.4 -592.4
1.800 6013.7 6013.7 0.0 0.0 5562.3 5562.3 -451.4 -451.4
1.900 6013.7 6013.7 0.0 0.0 5759.8 5759.8 -253.9 -253.9
1.949 6013.7 6013.7 0.0 0.0 5900.6 5900.6 -113.1 -113.1
2.000 6013.7 6013.7 0.0 0.0 6013.7 6013.7 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.88	999.00	14.88	999.00	0.00	576.8 (2-Lane)
1.100	17.20	999.00	17.20	999.00	0.00	666.6 (1-Lane)
1.200	7.95	999.00	7.95	999.00	0.00	308.0 (2-Lane)
1.200	9.19	999.00	9.19	999.00	0.00	355.9 (1-Lane)
1.300	5.80	999.00	5.80	999.00	0.00	224.5 (2-Lane)
1.300	6.70	999.00	6.70	999.00	0.00	259.5 (1-Lane)
1.400	5.04	999.00	5.04	999.00	0.00	195.4 (2-Lane)
1.400	5.83	999.00	5.83	999.00	0.00	225.8 (1-Lane)
1.500	4.84	999.00	4.84	999.00	0.00	187.7 (2-Lane)
1.500	5.60	999.00	5.60	999.00	0.00	217.0 (1-Lane)
1.600	5.04	999.00	5.04	999.00	0.00	195.4 (2-Lane)
1.600	5.83	999.00	5.83	999.00	0.00	225.8 (1-Lane)
1.700	5.80	999.00	5.80	999.00	0.00	224.5 (2-Lane)
1.700	6.70	999.00	6.70	999.00	0.00	259.5 (1-Lane)
1.800	7.95	999.00	7.95	999.00	0.00	308.0 (2-Lane)
1.800	9.19	999.00	9.19	999.00	0.00	355.9 (1-Lane)
1.900	14.84	999.00	14.84	999.00	0.00	575.2 (2-Lane)
1.900	17.16	999.00	17.16	999.00	0.00	664.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	64.70	0.00	48.65	0.00	64.96	0.00	48.84
1.100	36.9	5.3	60.33	0.00	45.36	0.00	60.58	0.00	45.55
1.200	25.8	4.0	51.35	0.00	38.61	0.00	51.56	0.00	38.76
1.300	17.2	2.7	42.37	0.00	31.85	0.00	42.54	0.00	31.98
1.400	8.6	1.3	33.38	0.00	25.10	0.00	33.52	0.00	25.20
1.500	0.0	0.0	24.78	0.00	18.63	0.00	24.88	0.00	18.71
1.600	-8.6	-1.3	-33.38	0.00	-25.10	0.00	-33.52	0.00	-25.20
1.700	-17.2	-2.7	-42.37	0.00	-31.85	0.00	-42.54	0.00	-31.98
1.800	-25.8	-4.0	-51.35	0.00	-38.61	0.00	-51.56	0.00	-38.76
1.900	-34.4	-5.3	-60.33	0.00	-45.36	0.00	-60.58	0.00	-45.55
1.949	-38.6	-11.9	-64.70	0.00	-48.65	0.00	-64.96	0.00	-48.84
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	77.4	30.2	107.6	-117.6	97.7 (2-Lane)
1.400	82.8	30.2	113.0	-123.0	103.1 (1-Lane)
1.500	43.9	47.7	91.6	-91.6	91.6 (2-Lane)
1.500	46.9	47.7	94.5	-94.5	94.5 (1-Lane)
1.600	77.4	30.2	107.7	-97.7	117.6 (2-Lane)
1.600	82.8	30.2	113.0	-103.1	123.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-INV

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	379.45	2.42	0.00	93.7 (2-Lane)
1.051	377.93	2.41	0.00	93.3 (1-Lane)
1.100	202.39	3.07	0.00	119.1 (2-Lane)
1.100	201.58	3.06	0.00	118.6 (1-Lane)
1.200	48.65	2.84	0.00	110.0 (2-Lane)
1.200	48.45	2.83	0.00	109.5 (1-Lane)
1.300	20.60	3.91	0.00	151.3 (2-Lane)
1.300	20.52	3.89	0.00	150.7 (1-Lane)
1.400	6.86	2.93	0.00	113.4 (2-Lane)
1.400	7.15	3.08	0.00	119.2 (1-Lane)
1.500	3.70	3.70	0.00	143.2 (2-Lane)
1.500	3.80	3.80	0.00	147.2 (1-Lane)
1.600	2.93	6.86	0.00	113.4 (2-Lane)
1.600	3.08	7.15	0.00	119.2 (1-Lane)
1.700	3.91	20.60	0.00	151.3 (2-Lane)
1.700	3.89	20.52	0.00	150.7 (1-Lane)
1.800	2.84	48.65	0.00	110.0 (2-Lane)
1.800	2.83	48.45	0.00	109.5 (1-Lane)
1.900	3.16	202.81	0.00	122.6 (2-Lane)
1.900	3.15	202.00	0.00	122.1 (1-Lane)
1.949	2.46	379.86	0.00	95.4 (2-Lane)
1.949	2.45	378.34	0.00	95.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 74

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-IN

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	27.1	177.38 R	0.00	133.37	0.00	153.48 R	0.00	115.40	0.00
1.200	313.0	48.1	319.94 R	0.00	240.56	0.00	276.83 R	0.00	208.14	0.00

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1.300	410.8	63.1	427.68 R	0.00	321.57	0.00	370.05 R	0.00	278.24
1.400	469.5	72.2	483.81 R	0.00	363.77	0.00	418.62 R	0.00	314.75
1.500	489.0	75.2	500.92 R	0.00	376.63	0.00	433.42 R	0.00	325.88
1.600	469.5	72.2	483.81 R	0.00	363.77	0.00	418.61 R	0.00	314.75
1.700	410.8	63.1	427.68 R	0.00	321.57	0.00	370.05 R	0.00	278.24
1.800	313.0	48.1	319.94 R	0.00	240.56	0.00	276.83 R	0.00	208.14
1.900	176.1	27.1	177.38 R	0.00	133.37	0.00	153.48 R	0.00	115.40
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 74

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-INV S

Rating Live Load: SU7

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.08	999.00	18.81	999.00	0.00	728.8 (2-Lane)
1.100	63.66	999.00	21.74	999.00	0.00	842.3 (1-Lane)
1.200	28.14	999.00	9.62	999.00	0.00	373.0 (2-Lane)
1.200	32.52	999.00	11.12	999.00	0.00	431.1 (1-Lane)
1.300	19.82	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.300	22.91	999.00	7.86	999.00	0.00	304.4 (1-Lane)
1.400	16.87	999.00	5.80	999.00	0.00	224.6 (2-Lane)
1.400	19.49	999.00	6.70	999.00	0.00	259.5 (1-Lane)
1.500	16.08	999.00	5.53	999.00	0.00	214.2 (2-Lane)
1.500	18.58	999.00	6.39	999.00	0.00	247.6 (1-Lane)
1.600	16.87	999.00	5.80	999.00	0.00	224.6 (2-Lane)
1.600	19.49	999.00	6.70	999.00	0.00	259.5 (1-Lane)
1.700	19.82	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.700	22.91	999.00	7.86	999.00	0.00	304.4 (1-Lane)
1.800	28.14	999.00	9.62	999.00	0.00	373.0 (2-Lane)
1.800	32.52	999.00	11.12	999.00	0.00	431.1 (1-Lane)
1.900	54.92	999.00	18.72	999.00	0.00	725.5 (2-Lane)
1.900	63.47	999.00	21.64	999.00	0.00	838.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G01								
Rating Type:		I-OPER								
Rating Live Load:		HL93								
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL 1.35				LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	375.29 R	0.00	299.72	0.00	324.72 R	0.00	259.33	0.00
1.200	391.2	60.1	652.06 R	0.00	521.46	0.00	564.20 R	0.00	451.20	0.00
1.300	513.5	78.9	830.32 R	0.00	665.23	0.00	718.43 R	0.00	575.59	0.00
1.400	586.9	90.2	932.73 R	0.00	748.09	0.00	807.04 R	0.00	647.28	0.00
1.500	611.3	94.0	947.96 R	0.00	761.49	0.00	820.22 R	0.00	658.88	0.00
1.600	586.9	90.2	932.73 R	0.00	748.09	0.00	807.04 R	0.00	647.28	0.00
1.700	513.5	78.9	830.32 R	0.00	665.23	0.00	718.43 R	0.00	575.59	0.00
1.800	391.2	60.1	652.06 R	0.00	521.46	0.00	564.20 R	0.00	451.20	0.00
1.900	220.1	33.8	375.29 R	0.00	299.72	0.00	324.72 R	0.00	259.33	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G01								
Rating Type:		I-OPER								
Rating Live Load:		HL93								
Span	Moment Resistance				Available Resistance for LL+I					
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.		
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0		
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2		
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5		
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4		
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4		
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1		
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3		
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1		
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4		
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4		
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9		
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1		
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0		

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G01				
Rating Type:	I-OPER					
Rating Live Load:	HL93					
Moment						
Span	Rating Factor		Moment		Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.39	999.00	15.39	999.00	0.00	554.0 (2-Lane)
1.100	17.78	999.00	17.78	999.00	0.00	640.3 (1-Lane)
1.200	8.53	999.00	8.53	999.00	0.00	307.1 (2-Lane)
1.200	9.86	999.00	9.86	999.00	0.00	354.9 (1-Lane)
1.300	6.53	999.00	6.53	999.00	0.00	235.1 (2-Lane)
1.300	7.55	999.00	7.55	999.00	0.00	271.7 (1-Lane)
1.400	5.72	999.00	5.72	999.00	0.00	206.0 (2-Lane)
1.400	6.61	999.00	6.61	999.00	0.00	238.1 (1-Lane)
1.500	5.60	999.00	5.60	999.00	0.00	201.6 (2-Lane)
1.500	6.47	999.00	6.47	999.00	0.00	233.0 (1-Lane)
1.600	5.72	999.00	5.72	999.00	0.00	206.0 (2-Lane)
1.600	6.61	999.00	6.61	999.00	0.00	238.1 (1-Lane)
1.700	6.53	999.00	6.53	999.00	0.00	235.1 (2-Lane)
1.700	7.55	999.00	7.55	999.00	0.00	271.7 (1-Lane)
1.800	8.53	999.00	8.53	999.00	0.00	307.1 (2-Lane)
1.800	9.86	999.00	9.86	999.00	0.00	354.9 (1-Lane)
1.900	15.35	999.00	15.35	999.00	0.00	552.5 (2-Lane)
1.900	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HL93

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.35 LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	61.48	0.00	48.95	0.00	61.73	0.00	49.15	0.00
1.100	36.9	5.3	57.26	0.00	45.50	0.00	57.49	0.00	45.69	0.00
1.200	25.8	4.0	48.74	0.00	38.59	0.00	48.94	0.00	38.74	0.00
1.300	17.2	2.7	40.47	0.00	31.91	0.00	40.63	0.00	32.04	0.00
1.400	8.6	1.3	32.44	0.00	25.49	0.00	32.57	0.00	25.59	0.00
1.500	0.0	0.0	24.66	0.00	19.30	0.00	24.76	0.00	19.38	0.00
1.600	-8.6	-1.3	-32.44	0.00	-25.49	0.00	-32.57	0.00	-25.59	0.00
1.700	-17.2	-2.7	-40.47	0.00	-31.91	0.00	-40.63	0.00	-32.04	0.00
1.800	-25.8	-4.0	-48.74	0.00	-38.59	0.00	-48.94	0.00	-38.74	0.00
1.900	-34.4	-5.3	-57.26	0.00	-45.50	0.00	-57.49	0.00	-45.69	0.00
1.949	-38.6	-11.9	-61.48	0.00	-48.95	0.00	-61.73	0.00	-49.15	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	80.6	30.2	110.8	-120.7	100.9 (2-Lane)
1.400	86.0	30.2	116.2	-126.1	106.2 (1-Lane)
1.500	46.6	47.7	94.2	-94.2	94.2 (2-Lane)
1.500	49.6	47.7	97.2	-97.2	97.2 (1-Lane)
1.600	80.6	30.2	110.8	-100.9	120.7 (2-Lane)
1.600	86.0	30.2	116.2	-106.2	126.1 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	176.77	2.55	0.00	91.6 (2-Lane)
1.051	176.06	2.54	0.00	91.3 (1-Lane)
1.100	93.15	3.24	0.00	116.6 (2-Lane)
1.100	92.78	3.23	0.00	116.1 (1-Lane)
1.200	26.14	2.99	0.00	107.6 (2-Lane)

1.200	26.03	2.98	0.00	107.2 (1-Lane)
1.300	15.86	4.09	0.00	147.2 (2-Lane)
1.300	15.80	4.07	0.00	146.6 (1-Lane)
1.400	6.61	3.11	0.00	111.9 (2-Lane)
1.400	6.88	3.26	0.00	117.4 (1-Lane)
1.500	3.82	3.82	0.00	137.6 (2-Lane)
1.500	3.93	3.93	0.00	141.4 (1-Lane)
1.600	3.11	6.61	0.00	111.9 (2-Lane)
1.600	3.26	6.88	0.00	117.4 (1-Lane)
1.700	4.09	15.86	0.00	147.2 (2-Lane)
1.700	4.07	15.80	0.00	146.6 (1-Lane)
1.800	2.99	26.14	0.00	107.6 (2-Lane)
1.800	2.98	26.03	0.00	107.2 (1-Lane)
1.900	3.33	89.56	0.00	120.0 (2-Lane)
1.900	3.32	89.21	0.00	119.5 (1-Lane)
1.949	2.59	173.16	0.00	93.2 (2-Lane)
1.949	2.58	172.47	0.00	92.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	304.58 R	0.00	229.01	0.00	263.54 R	0.00	198.15	0.00
1.200	391.2	60.1	526.36 R	0.00	395.76	0.00	455.43 R	0.00	342.43	0.00
1.300	513.5	78.9	665.32 R	0.00	500.24	0.00	575.67 R	0.00	432.83	0.00
1.400	586.9	90.2	744.17 R	0.00	559.52	0.00	643.89 R	0.00	484.13	0.00
1.500	611.3	94.0	751.55 R	0.00	565.07	0.00	650.27 R	0.00	488.93	0.00
1.600	586.9	90.2	744.17 R	0.00	559.52	0.00	643.89 R	0.00	484.13	0.00
1.700	513.5	78.9	665.32 R	0.00	500.24	0.00	575.67 R	0.00	432.83	0.00
1.800	391.2	60.1	526.36 R	0.00	395.76	0.00	455.43 R	0.00	342.43	0.00
1.900	220.1	33.8	304.58 R	0.00	229.01	0.00	263.54 R	0.00	198.15	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HS20

Moment

Span	Rating	Factor	Rating	Load
------	--------	--------	--------	------

	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend	Value	Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	18.96	999.00	18.96	999.00	379.22	682.6	(2-Lane)
1.100	21.91	999.00	21.91	999.00	438.28	788.9	(1-Lane)
1.200	10.57	999.00	10.57	999.00	211.35	380.4	(2-Lane)
1.200	12.21	999.00	12.21	999.00	244.27	439.7	(1-Lane)
1.300	8.15	999.00	8.15	999.00	162.97	293.3	(2-Lane)
1.300	9.42	999.00	9.42	999.00	188.35	339.0	(1-Lane)
1.400	7.17	999.00	7.17	999.00	143.43	258.2	(2-Lane)
1.400	8.29	999.00	8.29	999.00	165.76	298.4	(1-Lane)
1.500	7.06	999.00	7.06	999.00	141.27	254.3	(2-Lane)
1.500	8.16	999.00	8.16	999.00	163.27	293.9	(1-Lane)
1.600	7.17	999.00	7.17	999.00	143.43	258.2	(2-Lane)
1.600	8.29	999.00	8.29	999.00	165.76	298.4	(1-Lane)
1.700	8.15	999.00	8.15	999.00	162.97	293.3	(2-Lane)
1.700	9.42	999.00	9.42	999.00	188.35	339.0	(1-Lane)
1.800	10.57	999.00	10.57	999.00	211.35	380.4	(2-Lane)
1.800	12.21	999.00	12.21	999.00	244.27	439.7	(1-Lane)
1.900	18.91	999.00	18.91	999.00	378.21	680.8	(2-Lane)
1.900	21.86	999.00	21.86	999.00	437.11	786.8	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	50.49	0.00	37.96	0.00	50.69	0.00
1.100	36.9	5.3	47.36	0.00	35.61	0.00	47.55	0.00
1.200	25.8	4.0	40.92	0.00	30.77	0.00	41.09	0.00
1.300	17.2	2.7	34.48	0.00	25.93	0.00	34.62	0.00
1.400	8.6	1.3	28.05	0.00	21.09	0.00	28.16	0.00
1.500	0.0	0.0	21.61	0.00	16.25	0.00	21.70	0.00
1.600	-8.6	-1.3	-28.05	0.00	-21.09	0.00	-28.16	0.00
1.700	-17.2	-2.7	-34.48	0.00	-25.93	0.00	-34.62	0.00
1.800	-25.8	-4.0	-40.92	0.00	-30.77	0.00	-41.09	0.00
1.900	-34.4	-5.3	-47.36	0.00	-35.61	0.00	-47.55	0.00
1.949	-38.6	-11.9	-50.49	0.00	-37.96	0.00	-50.69	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: HS20

	Shear Resistance Vc	Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)	
1.000	0.0	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0	(1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5	(2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5	(1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5	(2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5	(1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7	(2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7	(1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5	(2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5	(1-Lane)
1.400	81.5	30.2	111.7	-121.7	101.8	(2-Lane)
1.400	86.4	30.2	116.6	-126.6	106.7	(1-Lane)
1.500	46.4	47.7	94.0	-94.0	94.0	(2-Lane)
1.500	49.1	47.7	96.7	-96.7	96.7	(1-Lane)
1.600	81.5	30.2	111.7	-101.8	121.7	(2-Lane)
1.600	86.4	30.2	116.6	-106.7	126.6	(1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2	(2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2	(1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3	(2-Lane)

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1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	176.77	3.10	61.98	111.6 (2-Lane)
1.051	176.06	3.09	61.73	111.1 (1-Lane)
1.100	94.29	3.92	78.32	141.0 (2-Lane)
1.100	93.91	3.90	78.01	140.4 (1-Lane)
1.200	35.88	3.56	71.22	128.2 (2-Lane)
1.200	35.74	3.55	70.94	127.7 (1-Lane)
1.300	20.29	4.80	95.97	172.7 (2-Lane)
1.300	20.21	4.78	95.58	172.1 (1-Lane)
1.400	7.68	3.63	72.59	130.7 (2-Lane)
1.400	7.96	3.79	75.78	136.4 (1-Lane)
1.500	4.35	4.35	87.05	156.7 (2-Lane)
1.500	4.46	4.46	89.17	160.5 (1-Lane)
1.600	3.63	7.68	72.60	130.7 (2-Lane)
1.600	3.79	7.96	75.78	136.4 (1-Lane)
1.700	4.80	20.29	95.97	172.7 (2-Lane)
1.700	4.78	20.21	95.58	172.1 (1-Lane)
1.800	3.56	35.88	71.22	128.2 (2-Lane)
1.800	3.55	35.74	70.94	127.7 (1-Lane)
1.900	4.03	94.48	80.59	145.1 (2-Lane)
1.900	4.01	94.10	80.27	144.5 (1-Lane)
1.949	3.15	176.96	63.08	113.5 (2-Lane)
1.949	3.14	176.25	62.82	113.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 90

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	204.7	33.8	221.10 R	0.00	166.24	0.00	191.31 R	0.00
1.200	391.2	60.1	384.70 R	0.00	289.25	0.00	332.86 R	0.00
1.300	513.5	78.9	490.79 R	0.00	369.01	0.00	424.65 R	0.00
1.400	586.9	90.2	551.53 R	0.00	414.68	0.00	477.21 R	0.00
1.500	611.3	94.0	562.86 R	0.00	423.21	0.00	487.02 R	0.00
1.600	586.9	90.2	551.53 R	0.00	414.68	0.00	477.21 R	0.00
1.700	513.5	78.9	490.79 R	0.00	369.01	0.00	424.65 R	0.00
1.800	391.2	60.1	384.70 R	0.00	289.25	0.00	332.86 R	0.00
1.900	220.1	33.8	221.10 R	0.00	166.24	0.00	191.31 R	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	26.12	999.00	26.12	999.00	0.00	653.0 (2-Lane)
1.100	30.19	999.00	30.19	999.00	0.00	754.7 (1-Lane)
1.200	14.46	999.00	14.46	999.00	0.00	361.5 (2-Lane)
1.200	16.71	999.00	16.71	999.00	0.00	417.8 (1-Lane)
1.300	11.05	999.00	11.05	999.00	0.00	276.2 (2-Lane)
1.300	12.77	999.00	12.77	999.00	0.00	319.2 (1-Lane)
1.400	9.68	999.00	9.68	999.00	0.00	241.9 (2-Lane)
1.400	11.18	999.00	11.18	999.00	0.00	279.6 (1-Lane)
1.500	9.43	999.00	9.43	999.00	0.00	235.8 (2-Lane)
1.500	10.90	999.00	10.90	999.00	0.00	272.5 (1-Lane)
1.600	9.68	999.00	9.68	999.00	0.00	241.9 (2-Lane)
1.600	11.18	999.00	11.18	999.00	0.00	279.6 (1-Lane)
1.700	11.05	999.00	11.05	999.00	0.00	276.2 (2-Lane)
1.700	12.77	999.00	12.77	999.00	0.00	319.2 (1-Lane)
1.800	14.46	999.00	14.46	999.00	0.00	361.5 (2-Lane)
1.800	16.71	999.00	16.71	999.00	0.00	417.8 (1-Lane)
1.900	26.05	999.00	26.05	999.00	0.00	651.3 (2-Lane)
1.900	30.11	999.00	30.11	999.00	0.00	752.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35	(1-Lane) LL 1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	36.55	0.00	27.48	0.00
1.100	36.9	5.3	34.38	0.00	25.85	0.00
1.200	25.8	4.0	29.91	0.00	22.49	0.00
1.300	17.2	2.7	25.44	0.00	19.13	0.00
1.400	8.6	1.3	20.97	0.00	15.76	0.00
1.500	0.0	0.0	16.50	0.00	12.40	0.00
1.600	-8.6	-1.3	-20.97	0.00	-15.76	0.00
1.700	-17.2	-2.7	-25.44	0.00	-19.13	0.00
1.800	-25.8	-4.0	-29.91	0.00	-22.49	0.00
1.900	-34.4	-5.3	-34.38	0.00	-25.85	0.00
1.949	-38.6	-11.9	-36.55	0.00	-27.48	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	77.9	30.2	108.1	-118.0	98.2 (2-Lane)
1.400	81.8	30.2	112.0	-121.9	102.1 (1-Lane)
1.500	42.2	47.7	89.9	-89.9	89.9 (2-Lane)
1.500	44.2	47.7	91.9	-91.9	91.9 (1-Lane)
1.600	77.9	30.2	108.1	-98.2	118.0 (2-Lane)
1.600	81.8	30.2	112.0	-102.1	122.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER
Rating Live Load: 3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	332.74	4.28	0.00	107.0 (2-Lane)
1.051	331.41	4.26	0.00	106.6 (1-Lane)
1.100	136.99	5.39	0.00	134.9 (2-Lane)
1.100	136.44	5.37	0.00	134.3 (1-Lane)
1.200	40.99	4.87	0.00	121.8 (2-Lane)
1.200	40.83	4.85	0.00	121.3 (1-Lane)
1.300	25.49	6.51	0.00	162.6 (2-Lane)
1.300	25.39	6.48	0.00	162.0 (1-Lane)
1.400	9.81	4.68	0.00	117.0 (2-Lane)
1.400	10.10	4.85	0.00	121.2 (1-Lane)
1.500	5.45	5.45	0.00	136.2 (2-Lane)
1.500	5.55	5.55	0.00	138.7 (1-Lane)
1.600	4.68	9.81	0.00	117.0 (2-Lane)
1.600	4.85	10.10	0.00	121.2 (1-Lane)
1.700	6.51	25.49	0.00	162.6 (2-Lane)
1.700	6.48	25.39	0.00	162.0 (1-Lane)
1.800	4.87	40.99	0.00	121.8 (2-Lane)
1.800	4.85	40.83	0.00	121.3 (1-Lane)
1.900	5.55	137.27	0.00	138.8 (2-Lane)
1.900	5.53	136.72	0.00	138.2 (1-Lane)
1.949	4.36	333.11	0.00	108.9 (2-Lane)
1.949	4.34	331.77	0.00	108.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER

Rating Live Load:		3S2		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	260.92 R	0.00	196.18	0.00	225.76 R	0.00	169.75	0.00
1.200	391.2	60.1	429.84 R	0.00	323.18	0.00	371.91 R	0.00	279.63	0.00
1.300	513.5	78.9	562.64 R	0.00	423.04	0.00	486.82 R	0.00	366.03	0.00
1.400	586.9	90.2	622.88 R	0.00	468.33	0.00	538.95 R	0.00	405.22	0.00
1.500	611.3	94.0	611.36 R	0.00	459.67	0.00	528.98 R	0.00	397.73	0.00
1.600	586.9	90.2	622.88 R	0.00	468.33	0.00	538.95 R	0.00	405.22	0.00
1.700	513.5	78.9	562.64 R	0.00	423.04	0.00	486.82 R	0.00	366.03	0.00
1.800	391.2	60.1	429.84 R	0.00	323.18	0.00	371.91 R	0.00	279.63	0.00
1.900	220.1	33.8	260.92 R	0.00	196.18	0.00	225.76 R	0.00	169.75	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.13	999.00	22.13	999.00	0.00	885.4 (2-Lane)
1.100	25.58	999.00	25.58	999.00	0.00	999.0 (1-Lane)
1.200	12.94	999.00	12.94	999.00	0.00	517.6 (2-Lane)
1.200	14.96	999.00	14.96	999.00	0.00	598.2 (1-Lane)
1.300	9.64	999.00	9.64	999.00	0.00	385.4 (2-Lane)
1.300	11.14	999.00	11.14	999.00	0.00	445.4 (1-Lane)
1.400	8.57	999.00	8.57	999.00	0.00	342.7 (2-Lane)
1.400	9.90	999.00	9.90	999.00	0.00	396.1 (1-Lane)
1.500	8.68	999.00	8.68	999.00	0.00	347.3 (2-Lane)
1.500	10.03	999.00	10.03	999.00	0.00	401.4 (1-Lane)
1.600	8.57	999.00	8.57	999.00	0.00	342.7 (2-Lane)
1.600	9.90	999.00	9.90	999.00	0.00	396.1 (1-Lane)
1.700	9.64	999.00	9.64	999.00	0.00	385.4 (2-Lane)
1.700	11.14	999.00	11.14	999.00	0.00	445.4 (1-Lane)
1.800	12.94	999.00	12.94	999.00	0.00	517.6 (2-Lane)
1.800	14.96	999.00	14.96	999.00	0.00	598.2 (1-Lane)
1.900	22.08	999.00	22.08	999.00	0.00	883.0 (2-Lane)
1.900	25.51	999.00	25.51	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL		LL		LL	
					1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	35.11	0.00	26.40	0.00	35.25	0.00	26.51	0.00
1.100	36.9	5.3	40.57	0.00	30.50	0.00	40.73	0.00	30.63	0.00
1.200	25.8	4.0	33.42	0.00	25.13	0.00	33.55	0.00	25.23	0.00
1.300	17.2	2.7	26.50	0.00	19.93	0.00	26.61	0.00	20.01	0.00
1.400	8.6	1.3	20.58	0.00	15.48	0.00	20.67	0.00	15.54	0.00
1.500	0.0	0.0	14.77	0.00	11.11	0.00	14.83	0.00	11.15	0.00
1.600	-8.6	-1.3	-20.58	0.00	-15.48	0.00	-20.67	0.00	-15.54	0.00
1.700	-17.2	-2.7	-26.50	0.00	-19.93	0.00	-26.61	0.00	-20.01	0.00
1.800	-25.8	-4.0	-33.42	0.00	-25.13	0.00	-33.55	0.00	-25.23	0.00
1.900	-34.4	-5.3	-40.57	0.00	-30.50	0.00	-40.73	0.00	-30.63	0.00
1.949	-38.6	-11.9	-44.05	0.00	-33.12	0.00	-44.22	0.00	-33.25	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3S2

Vc	Shear Resistance		Available Resistance for LL+I		
	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	71.0	137.2	-260.0	156.5	(2-Lane)
1.051	71.0	137.2	-260.0	156.5	(1-Lane)
1.100	79.0	148.6	-269.8	185.5	(2-Lane)
1.100	79.0	148.6	-269.8	185.5	(1-Lane)
1.200	93.9	81.6	-205.3	145.7	(2-Lane)
1.200	93.9	81.6	-205.3	145.7	(1-Lane)
1.300	103.8	81.6	-205.2	165.5	(2-Lane)
1.300	103.8	81.6	-205.2	165.5	(1-Lane)
1.400	74.0	30.2	-114.1	94.3	(2-Lane)
1.400	77.9	30.2	-118.1	98.2	(1-Lane)
1.500	38.1	47.7	-85.8	85.8	(2-Lane)
1.500	39.9	47.7	-87.6	87.6	(1-Lane)
1.600	74.0	30.2	-94.3	114.1	(2-Lane)
1.600	77.9	30.2	-98.2	118.1	(1-Lane)
1.700	103.8	81.6	-165.5	205.2	(2-Lane)
1.700	103.8	81.6	-165.5	205.2	(1-Lane)
1.800	93.9	81.6	-145.7	205.3	(2-Lane)
1.800	93.9	81.6	-145.7	205.3	(1-Lane)
1.900	80.2	150.4	-190.8	270.3	(2-Lane)
1.900	80.2	150.4	-190.8	270.3	(1-Lane)
1.949	71.6	138.1	-159.2	260.3	(2-Lane)
1.949	71.6	138.1	-159.2	260.3	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	332.74	4.46	0.00	178.2 (2-Lane)
1.051	331.41	4.44	0.00	177.5 (1-Lane)
1.100	136.99	4.57	0.00	182.9 (2-Lane)
1.100	136.44	4.55	0.00	182.1 (1-Lane)
1.200	40.99	4.36	0.00	174.4 (2-Lane)
1.200	40.83	4.34	0.00	173.7 (1-Lane)
1.300	25.49	6.24	0.00	249.8 (2-Lane)
1.300	25.39	6.22	0.00	248.8 (1-Lane)

1.400	10.29	4.58	0.00	183.2 (2-Lane)
1.400	10.60	4.75	0.00	190.0 (1-Lane)
1.500	5.81	5.81	0.00	232.3 (2-Lane)
1.500	5.91	5.91	0.00	236.3 (1-Lane)
1.600	4.58	10.29	0.00	183.2 (2-Lane)
1.600	4.75	10.60	0.00	190.1 (1-Lane)
1.700	6.24	25.49	0.00	249.8 (2-Lane)
1.700	6.22	25.39	0.00	248.8 (1-Lane)
1.800	4.36	40.99	0.00	174.4 (2-Lane)
1.800	4.34	40.83	0.00	173.7 (1-Lane)
1.900	4.70	137.27	0.00	188.2 (2-Lane)
1.900	4.68	136.72	0.00	187.4 (1-Lane)
1.949	3.62	333.11	0.00	144.6 (2-Lane)
1.949	3.60	331.77	0.00	144.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	223.93 R	0.00	168.37	0.00	193.76 R	0.00	145.68	0.00
1.200	391.2	60.1	369.65 R	0.00	277.94	0.00	319.84 R	0.00	240.48	0.00
1.300	513.5	78.9	463.09 R	0.00	348.19	0.00	400.69 R	0.00	301.27	0.00
1.400	586.9	90.2	486.43 R	0.00	365.74	0.00	420.88 R	0.00	316.45	0.00
1.500	611.3	94.0	515.81 R	0.00	387.83	0.00	446.31 R	0.00	335.57	0.00
1.600	586.9	90.2	486.43 R	0.00	365.74	0.00	420.88 R	0.00	316.45	0.00
1.700	513.5	78.9	463.09 R	0.00	348.19	0.00	400.69 R	0.00	301.27	0.00
1.800	391.2	60.1	369.65 R	0.00	277.94	0.00	319.84 R	0.00	240.48	0.00
1.900	220.1	33.8	223.93 R	0.00	168.37	0.00	193.76 R	0.00	145.68	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
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						9999999_20120831cy17_FlexuralRpt.txt
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	25.79	999.00	25.79	999.00	0.00	999.0 (2-Lane)
1.100	29.81	999.00	29.81	999.00	0.00	999.0 (1-Lane)
1.200	15.05	999.00	15.05	999.00	0.00	601.9 (2-Lane)
1.200	17.39	999.00	17.39	999.00	0.00	695.6 (1-Lane)
1.300	11.71	999.00	11.71	999.00	0.00	468.3 (2-Lane)
1.300	13.53	999.00	13.53	999.00	0.00	541.2 (1-Lane)
1.400	10.97	999.00	10.97	999.00	0.00	438.8 (2-Lane)
1.400	12.68	999.00	12.68	999.00	0.00	507.2 (1-Lane)
1.500	10.29	999.00	10.29	999.00	0.00	411.7 (2-Lane)
1.500	11.89	999.00	11.89	999.00	0.00	475.8 (1-Lane)
1.600	10.97	999.00	10.97	999.00	0.00	438.8 (2-Lane)
1.600	12.68	999.00	12.68	999.00	0.00	507.2 (1-Lane)
1.700	11.71	999.00	11.71	999.00	0.00	468.3 (2-Lane)
1.700	13.53	999.00	13.53	999.00	0.00	541.2 (1-Lane)
1.800	15.05	999.00	15.05	999.00	0.00	601.9 (2-Lane)
1.800	17.39	999.00	17.39	999.00	0.00	695.6 (1-Lane)
1.900	25.72	999.00	25.72	999.00	0.00	999.0 (2-Lane)
1.900	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3-3

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35		1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	37.77	0.00	28.40	0.00	37.93	0.00	28.52	0.00
1.100	36.9	5.3	34.82	0.00	26.18	0.00	34.96	0.00	26.29	0.00
1.200	25.8	4.0	28.74	0.00	21.61	0.00	28.85	0.00	21.70	0.00
1.300	17.2	2.7	22.66	0.00	17.04	0.00	22.75	0.00	17.11	0.00
1.400	8.6	1.3	17.69	0.00	13.30	0.00	17.76	0.00	13.35	0.00
1.500	0.0	0.0	13.75	0.00	10.34	0.00	13.81	0.00	10.38	0.00
1.600	-8.6	-1.3	-17.69	0.00	-13.30	0.00	-17.76	0.00	-13.35	0.00
1.700	-17.2	-2.7	-22.66	0.00	-17.04	0.00	-22.75	0.00	-17.11	0.00
1.800	-25.8	-4.0	-28.74	0.00	-21.61	0.00	-28.85	0.00	-21.70	0.00
1.900	-34.4	-5.3	-34.82	0.00	-26.18	0.00	-34.96	0.00	-26.29	0.00
1.949	-38.6	-11.9	-37.77	0.00	-28.40	0.00	-37.93	0.00	-28.52	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	74.6	30.2	104.8	-114.8	94.9 (2-Lane)
1.400	78.0	30.2	108.3	-118.2	98.3 (1-Lane)
1.500	38.2	47.7	85.9	-85.9	85.9 (2-Lane)
1.500	39.9	47.7	87.5	-87.5	87.5 (1-Lane)
1.600	74.6	30.2	104.8	-94.9	114.8 (2-Lane)
1.600	78.0	30.2	108.3	-98.3	118.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)

1.949 71.6 138.1 209.7 -159.2 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 260.3 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G01
Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	404.04	4.14	0.00	165.7 (2-Lane)
1.051	402.42	4.13	0.00	165.0 (1-Lane)
1.100	166.34	5.33	0.00	213.1 (2-Lane)
1.100	165.68	5.30	0.00	212.2 (1-Lane)
1.200	49.77	5.07	0.00	202.8 (2-Lane)
1.200	49.57	5.05	0.00	202.0 (1-Lane)
1.300	30.96	7.30	0.00	292.1 (2-Lane)
1.300	30.83	7.27	0.00	290.9 (1-Lane)
1.400	11.69	5.36	0.00	214.6 (2-Lane)
1.400	11.99	5.54	0.00	221.5 (1-Lane)
1.500	6.24	6.24	0.00	249.8 (2-Lane)
1.500	6.34	6.34	0.00	253.6 (1-Lane)
1.600	5.36	11.69	0.00	214.6 (2-Lane)
1.600	5.54	11.99	0.00	221.5 (1-Lane)
1.700	7.30	30.96	0.00	292.1 (2-Lane)
1.700	7.27	30.83	0.00	290.9 (1-Lane)
1.800	5.07	49.77	0.00	202.8 (2-Lane)
1.800	5.05	49.57	0.00	202.0 (1-Lane)
1.900	5.48	166.68	0.00	219.2 (2-Lane)
1.900	5.46	166.02	0.00	218.4 (1-Lane)
1.949	4.22	404.48	0.00	168.6 (2-Lane)
1.949	4.20	402.87	0.00	167.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 111
MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G01
Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	244.23 R	0.00	183.63	0.00
1.200	391.2	60.1	426.36 R	0.00	320.57	0.00
1.300	513.5	78.9	546.39 R	0.00	410.82	0.00
1.400	586.9	90.2	622.94 R	0.00	468.37	0.00
1.500	611.3	94.0	640.62 R	0.00	481.67	0.00
1.600	586.9	90.2	622.94 R	0.00	468.37	0.00
1.700	513.5	78.9	546.39 R	0.00	410.82	0.00
1.800	391.2	60.1	426.36 R	0.00	320.57	0.00
1.900	220.1	33.8	244.23 R	0.00	183.63	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G01
Rating Type: I-OPER
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Top	Available Resistance for LL+I Positive Bending Bott.	Negative Bending Bott.
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1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	23.65	999.00	23.65	999.00	0.00	638.4 (2-Lane)
1.100	27.33	999.00	27.33	999.00	0.00	737.9 (1-Lane)
1.200	13.05	999.00	13.05	999.00	0.00	352.2 (2-Lane)
1.200	15.08	999.00	15.08	999.00	0.00	407.1 (1-Lane)
1.300	9.92	999.00	9.92	999.00	0.00	267.9 (2-Lane)
1.300	11.47	999.00	11.47	999.00	0.00	309.6 (1-Lane)
1.400	8.57	999.00	8.57	999.00	0.00	231.3 (2-Lane)
1.400	9.90	999.00	9.90	999.00	0.00	267.3 (1-Lane)
1.500	8.29	999.00	8.29	999.00	0.00	223.7 (2-Lane)
1.500	9.58	999.00	9.58	999.00	0.00	258.6 (1-Lane)
1.600	8.57	999.00	8.57	999.00	0.00	231.3 (2-Lane)
1.600	9.90	999.00	9.90	999.00	0.00	267.3 (1-Lane)
1.700	9.92	999.00	9.92	999.00	0.00	267.9 (2-Lane)
1.700	11.47	999.00	11.47	999.00	0.00	309.6 (1-Lane)
1.800	13.05	999.00	13.05	999.00	0.00	352.2 (2-Lane)
1.800	15.08	999.00	15.08	999.00	0.00	407.1 (1-Lane)
1.900	23.58	999.00	23.58	999.00	0.00	636.7 (2-Lane)
1.900	27.26	999.00	27.26	999.00	0.00	735.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU4

Rating Live Load:		DC		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	40.32	0.00	30.32	0.00	40.49	0.00	30.44	0.00
1.100	36.9	5.3	37.98	0.00	28.55	0.00	38.13	0.00	28.67	0.00
1.200	25.8	4.0	33.15	0.00	24.92	0.00	33.28	0.00	25.02	0.00
1.300	17.2	2.7	28.32	0.00	21.29	0.00	28.43	0.00	21.38	0.00
1.400	8.6	1.3	23.49	0.00	17.66	0.00	23.59	0.00	17.73	0.00
1.500	0.0	0.0	18.66	0.00	14.03	0.00	18.74	0.00	14.09	0.00
1.600	-8.6	-1.3	-23.49	0.00	-17.66	0.00	-23.59	0.00	-17.73	0.00
1.700	-17.2	-2.7	-28.32	0.00	-21.29	0.00	-28.43	0.00	-21.38	0.00
1.800	-25.8	-4.0	-33.15	0.00	-24.92	0.00	-33.28	0.00	-25.02	0.00
1.900	-34.4	-5.3	-37.98	0.00	-28.55	0.00	-38.13	0.00	-28.67	0.00
1.949	-38.6	-11.9	-40.32	0.00	-30.32	0.00	-40.49	0.00	-30.44	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU4

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	-205.2	165.5 (1-Lane)
1.400	79.2	30.2	-119.3	99.5 (2-Lane)
1.400	83.5	30.2	-123.6	103.7 (1-Lane)
1.500	44.2	47.7	-91.8	91.8 (2-Lane)
1.500	46.5	47.7	-94.1	94.1 (1-Lane)
1.600	79.2	30.2	-99.5	119.3 (2-Lane)
1.600	83.5	30.2	-103.7	123.6 (1-Lane)
1.700	103.8	81.6	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU4

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	332.74	3.88	0.00	104.8 (2-Lane)
1.051	331.41	3.87	0.00	104.3 (1-Lane)
1.100	136.99	4.88	0.00	131.9 (2-Lane)
1.100	136.44	4.86	0.00	131.3 (1-Lane)
1.200	37.80	4.40	0.00	118.7 (2-Lane)
1.200	37.65	4.38	0.00	118.2 (1-Lane)
1.300	22.33	5.84	0.00	157.8 (2-Lane)
1.300	22.25	5.82	0.00	157.1 (1-Lane)
1.400	8.62	4.23	0.00	114.3 (2-Lane)
1.400	8.90	4.40	0.00	118.8 (1-Lane)
1.500	4.92	4.92	0.00	132.9 (2-Lane)
1.500	5.02	5.02	0.00	135.7 (1-Lane)
1.600	4.23	8.63	0.00	114.3 (2-Lane)
1.600	4.40	8.90	0.00	118.8 (1-Lane)
1.700	5.84	22.33	0.00	157.8 (2-Lane)
1.700	5.82	22.25	0.00	157.1 (1-Lane)
1.800	4.40	37.80	0.00	118.7 (2-Lane)
1.800	4.38	37.65	0.00	118.2 (1-Lane)
1.900	5.03	137.27	0.00	135.7 (2-Lane)
1.900	5.01	136.72	0.00	135.1 (1-Lane)
1.949	3.95	333.11	0.00	106.6 (2-Lane)
1.949	3.93	331.77	0.00	106.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	271.06 R	0.00	203.80	0.00	234.53 R	0.00	176.34	0.00
1.200	391.2	60.1	470.80 R	0.00	353.99	0.00	407.36 R	0.00	306.29	0.00
1.300	513.5	78.9	605.73 R	0.00	455.43	0.00	524.10 R	0.00	394.06	0.00
1.400	586.9	90.2	687.98 R	0.00	517.28	0.00	595.27 R	0.00	447.57	0.00
1.500	611.3	94.0	698.92 R	0.00	525.51	0.00	604.74 R	0.00	454.69	0.00
1.600	586.9	90.2	687.98 R	0.00	517.28	0.00	595.27 R	0.00	447.57	0.00
1.700	513.5	78.9	605.73 R	0.00	455.43	0.00	524.10 R	0.00	394.06	0.00
1.800	391.2	60.1	470.80 R	0.00	353.99	0.00	407.36 R	0.00	306.29	0.00
1.900	220.1	33.8	271.05 R	0.00	203.80	0.00	234.53 R	0.00	176.34	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU5

Moment					
Span	top +bend	Rating fiber -bend	Factor bottom +bend	Rating fiber -bend	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00
1.000	999.00	999.00	999.00	999.00	0.00
1.051	999.00	999.00	999.00	999.00	0.00
1.051	999.00	999.00	999.00	999.00	0.00
1.100	21.31	999.00	21.31	999.00	0.00
1.100	24.62	999.00	24.62	999.00	0.00
1.200	11.81	999.00	11.81	999.00	0.00
1.200	13.65	999.00	13.65	999.00	0.00
1.300	8.95	999.00	8.95	999.00	0.00
1.300	10.34	999.00	10.34	999.00	0.00
1.400	7.76	999.00	7.76	999.00	0.00
1.400	8.97	999.00	8.97	999.00	0.00
1.500	7.59	999.00	7.59	999.00	0.00
1.500	8.78	999.00	8.78	999.00	0.00
1.600	7.76	999.00	7.76	999.00	0.00
1.600	8.97	999.00	8.97	999.00	0.00
1.700	8.95	999.00	8.95	999.00	0.00
1.700	10.34	999.00	10.34	999.00	0.00
1.800	11.81	999.00	11.81	999.00	0.00
1.800	13.65	999.00	13.65	999.00	0.00
1.900	21.25	999.00	21.25	999.00	0.00
1.900	24.56	999.00	24.56	999.00	0.00
1.949	999.00	999.00	999.00	999.00	0.00
1.949	999.00	999.00	999.00	999.00	0.00
2.000	999.00	999.00	999.00	999.00	0.00
2.000	999.00	999.00	999.00	999.00	0.00

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	44.84	0.00	33.72	0.00	45.02	0.00	33.85	0.00
1.100	36.9	5.3	42.15	0.00	31.69	0.00	42.32	0.00	31.82	0.00
1.200	25.8	4.0	36.60	0.00	27.52	0.00	36.75	0.00	27.63	0.00
1.300	17.2	2.7	31.06	0.00	23.35	0.00	31.18	0.00	23.45	0.00
1.400	8.6	1.3	25.52	0.00	19.18	0.00	25.62	0.00	19.26	0.00
1.500	0.0	0.0	19.97	0.00	15.02	0.00	20.05	0.00	15.08	0.00
1.600	-8.6	-1.3	-25.52	0.00	-19.18	0.00	-25.62	0.00	-19.26	0.00
1.700	-17.2	-2.7	-31.06	0.00	-23.35	0.00	-31.18	0.00	-23.45	0.00
1.800	-25.8	-4.0	-36.60	0.00	-27.52	0.00	-36.75	0.00	-27.63	0.00
1.900	-34.4	-5.3	-42.15	0.00	-31.69	0.00	-42.32	0.00	-31.82	0.00
1.949	-38.6	-11.9	-44.84	0.00	-33.72	0.00	-45.02	0.00	-33.85	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU5

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	79.8	30.2	110.0	-119.9	100.1 (2-Lane)
1.400	84.3	30.2	114.6	-124.5	104.6 (1-Lane)
1.500	45.0	47.7	92.6	-92.6	92.6 (2-Lane)
1.500	47.5	47.7	95.1	-95.1	95.1 (1-Lane)
1.600	79.8	30.2	110.0	-100.1	119.9 (2-Lane)
1.600	84.3	30.2	114.6	-104.6	124.5 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU5

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	332.74	3.49	0.00	108.2 (2-Lane)
1.051	331.41	3.47	0.00	107.7 (1-Lane)
1.100	136.99	4.40	0.00	136.4 (2-Lane)
1.100	136.44	4.38	0.00	135.9 (1-Lane)
1.200	37.80	3.98	0.00	123.4 (2-Lane)
1.200	37.65	3.96	0.00	122.9 (1-Lane)
1.300	20.89	5.33	0.00	165.2 (2-Lane)
1.300	20.81	5.31	0.00	164.5 (1-Lane)
1.400	8.31	3.92	0.00	121.6 (2-Lane)
1.400	8.59	4.08	0.00	126.6 (1-Lane)

1.500	4.64	4.64	0.00	143.8 (2-Lane)
1.500	4.74	4.74	0.00	147.1 (1-Lane)
1.600	3.92	8.31	0.00	121.6 (2-Lane)
1.600	4.08	8.59	0.00	126.6 (1-Lane)
1.700	5.33	20.89	0.00	165.2 (2-Lane)
1.700	5.31	20.81	0.00	164.5 (1-Lane)
1.800	3.98	37.80	0.00	123.4 (2-Lane)
1.800	3.96	37.65	0.00	122.9 (1-Lane)
1.900	4.53	137.27	0.00	140.4 (2-Lane)
1.900	4.51	136.72	0.00	139.8 (1-Lane)
1.949	3.55	333.11	0.00	110.1 (2-Lane)
1.949	3.54	331.77	0.00	109.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	286.07 R	0.00	215.09	0.00	247.52 R	0.00	186.11	0.00
1.200	391.2	60.1	516.11 R	0.00	388.06	0.00	446.57 R	0.00	335.76	0.00
1.300	513.5	78.9	670.48 R	0.00	504.12	0.00	580.13 R	0.00	436.19	0.00
1.400	586.9	90.2	756.25 R	0.00	568.61	0.00	654.34 R	0.00	491.99	0.00
1.500	611.3	94.0	778.90 R	0.00	585.64	0.00	673.94 R	0.00	506.72	0.00
1.600	586.9	90.2	756.25 R	0.00	568.61	0.00	654.34 R	0.00	491.99	0.00
1.700	513.5	78.9	670.48 R	0.00	504.12	0.00	580.13 R	0.00	436.19	0.00
1.800	391.2	60.1	516.11 R	0.00	388.06	0.00	446.57 R	0.00	335.76	0.00
1.900	220.1	33.8	286.07 R	0.00	215.09	0.00	247.52 R	0.00	186.11	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Available Resistance for LL+I Bending Bott.	Resistance Negative Top	Available Resistance for LL+I Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	20.19	999.00	20.19	999.00	0.00 701.5 (2-Lane)
1.100	23.33	999.00	23.33	999.00	0.00 810.8 (1-Lane)
1.200	10.78	999.00	10.78	999.00	0.00 374.5 (2-Lane)
1.200	12.46	999.00	12.46	999.00	0.00 432.8 (1-Lane)
1.300	8.09	999.00	8.09	999.00	0.00 281.0 (2-Lane)
1.300	9.35	999.00	9.35	999.00	0.00 324.7 (1-Lane)
1.400	7.06	999.00	7.06	999.00	0.00 245.2 (2-Lane)
1.400	8.16	999.00	8.16	999.00	0.00 283.4 (1-Lane)
1.500	6.82	999.00	6.82	999.00	0.00 236.8 (2-Lane)
1.500	7.88	999.00	7.88	999.00	0.00 273.7 (1-Lane)
1.600	7.06	999.00	7.06	999.00	0.00 245.2 (2-Lane)
1.600	8.16	999.00	8.16	999.00	0.00 283.4 (1-Lane)
1.700	8.09	999.00	8.09	999.00	0.00 281.0 (2-Lane)
1.700	9.35	999.00	9.35	999.00	0.00 324.7 (1-Lane)
1.800	10.78	999.00	10.78	999.00	0.00 374.5 (2-Lane)
1.800	12.46	999.00	12.46	999.00	0.00 432.8 (1-Lane)
1.900	20.13	999.00	20.13	999.00	0.00 699.7 (2-Lane)
1.900	23.27	999.00	23.27	999.00	0.00 808.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	5.9	47.50	0.00	35.72	0.00	47.69	0.00	35.86	0.00
1.100	36.9	5.3	44.48	0.00	33.45	0.00	44.66	0.00	33.58	0.00
1.200	25.8	4.0	38.27	0.00	28.77	0.00	38.42	0.00	28.89	0.00
1.300	17.2	2.7	32.05	0.00	24.10	0.00	32.18	0.00	24.20	0.00
1.400	8.6	1.3	25.84	0.00	19.43	0.00	25.94	0.00	19.51	0.00
1.500	0.0	0.0	19.62	0.00	14.76	0.00	19.70	0.00	14.81	0.00
1.600	-8.6	-1.3	-25.84	0.00	-19.43	0.00	-25.94	0.00	-19.51	0.00
1.700	-17.2	-2.7	-32.05	0.00	-24.10	0.00	-32.18	0.00	-24.20	0.00
1.800	-25.8	-4.0	-38.27	0.00	-28.77	0.00	-38.42	0.00	-28.89	0.00
1.900	-34.4	-5.3	-44.48	0.00	-33.45	0.00	-44.66	0.00	-33.58	0.00
1.949	-38.6	-11.9	-47.50	0.00	-35.72	0.00	-47.69	0.00	-35.86	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	77.4	30.2	107.6	-117.6	97.7 (2-Lane)
1.400	82.0	30.2	112.3	-122.2	102.3 (1-Lane)
1.500	42.7	47.7	90.4	-90.4	90.4 (2-Lane)
1.500	45.1	47.7	92.8	-92.8	92.8 (1-Lane)
1.600	77.4	30.2	107.6	-97.7	117.6 (2-Lane)
1.600	82.0	30.2	112.3	-102.3	122.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	491.88	3.29	0.00	114.5 (2-Lane)
1.051	489.91	3.28	0.00	114.0 (1-Lane)
1.100	231.64	4.17	0.00	144.9 (2-Lane)
1.100	230.71	4.15	0.00	144.3 (1-Lane)
1.200	47.77	3.81	0.00	132.3 (2-Lane)
1.200	47.58	3.79	0.00	131.8 (1-Lane)
1.300	23.27	5.16	0.00	179.4 (2-Lane)
1.300	23.18	5.14	0.00	178.7 (1-Lane)
1.400	8.40	3.78	0.00	131.4 (2-Lane)
1.400	8.69	3.94	0.00	137.0 (1-Lane)
1.500	4.60	4.60	0.00	160.0 (2-Lane)
1.500	4.71	4.71	0.00	163.7 (1-Lane)
1.600	3.78	8.40	0.00	131.4 (2-Lane)
1.600	3.94	8.69	0.00	137.1 (1-Lane)
1.700	5.16	23.27	0.00	179.4 (2-Lane)
1.700	5.14	23.18	0.00	178.7 (1-Lane)
1.800	3.81	47.77	0.00	132.3 (2-Lane)
1.800	3.79	47.58	0.00	131.8 (1-Lane)
1.900	4.29	232.12	0.00	149.1 (2-Lane)
1.900	4.27	231.19	0.00	148.5 (1-Lane)
1.949	3.35	492.42	0.00	116.5 (2-Lane)
1.949	3.34	490.45	0.00	116.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU7

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35		(1-Lane) LL 1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00
1.100	204.7	33.8	299.33 R	0.00	225.06	0.00
1.200	391.2	60.1	539.90 R	0.00	405.94	0.00
1.300	513.5	78.9	721.72 R	0.00	542.64	0.00
1.400	586.9	90.2	816.43 R	0.00	613.86	0.00
1.500	611.3	94.0	845.30 R	0.00	635.56	0.00
1.600	586.9	90.2	816.43 R	0.00	613.86	0.00
1.700	513.5	78.9	721.72 R	0.00	542.64	0.00
1.800	391.2	60.1	539.90 R	0.00	405.94	0.00
1.900	220.1	33.8	299.32 R	0.00	225.06	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 133

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-OPER
Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5

9999999_20120831cy17_FlexuralRpt.txt								
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER
Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.29	999.00	19.29	999.00	0.00	747.6 (2-Lane)
1.100	22.30	999.00	22.30	999.00	0.00	864.1 (1-Lane)
1.200	10.30	999.00	10.30	999.00	0.00	399.2 (2-Lane)
1.200	11.91	999.00	11.91	999.00	0.00	461.4 (1-Lane)
1.300	7.51	999.00	7.51	999.00	0.00	291.1 (2-Lane)
1.300	8.68	999.00	8.68	999.00	0.00	336.4 (1-Lane)
1.400	6.54	999.00	6.54	999.00	0.00	253.3 (2-Lane)
1.400	7.55	999.00	7.55	999.00	0.00	292.7 (1-Lane)
1.500	6.28	999.00	6.28	999.00	0.00	243.3 (2-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	281.2 (1-Lane)
1.600	6.54	999.00	6.54	999.00	0.00	253.3 (2-Lane)
1.600	7.55	999.00	7.55	999.00	0.00	292.7 (1-Lane)
1.700	7.51	999.00	7.51	999.00	0.00	291.1 (2-Lane)
1.700	8.68	999.00	8.68	999.00	0.00	336.4 (1-Lane)
1.800	10.30	999.00	10.30	999.00	0.00	399.2 (2-Lane)
1.800	11.91	999.00	11.91	999.00	0.00	461.4 (1-Lane)
1.900	19.24	999.00	19.24	999.00	0.00	745.7 (2-Lane)
1.900	22.24	999.00	22.24	999.00	0.00	861.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER
Rating Live Load: SU7

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35		(1-Lane) LL 1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	49.91	0.00	37.53	0.00
1.100	36.9	5.3	46.54	0.00	34.99	0.00
1.200	25.8	4.0	39.61	0.00	29.78	0.00
1.300	17.2	2.7	32.68	0.00	24.57	0.00
1.400	8.6	1.3	25.75	0.00	19.36	0.00
1.500	0.0	0.0	19.11	0.00	14.37	0.00
1.600	-8.6	-1.3	-25.75	0.00	-19.36	0.00
1.700	-17.2	-2.7	-32.68	0.00	-24.57	0.00
1.800	-25.8	-4.0	-39.61	0.00	-29.78	0.00
1.900	-34.4	-5.3	-46.54	0.00	-34.99	0.00
1.949	-38.6	-11.9	-49.91	0.00	-37.53	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	75.0	30.2	105.2	-115.1	95.2 (2-Lane)
1.400	79.5	30.2	109.8	-119.7	99.8 (1-Lane)
1.500	40.7	47.7	88.3	-88.3	88.3 (2-Lane)
1.500	43.0	47.7	90.7	-90.7	90.7 (1-Lane)
1.600	75.0	30.2	105.2	-95.2	115.1 (2-Lane)
1.600	79.5	30.2	109.8	-99.8	119.7 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-OPER
Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	491.88	3.13	0.00	121.5 (2-Lane)
1.051	489.91	3.12	0.00	121.0 (1-Lane)
1.100	262.36	3.98	0.00	154.4 (2-Lane)
1.100	261.31	3.97	0.00	153.8 (1-Lane)
1.200	63.06	3.68	0.00	142.5 (2-Lane)
1.200	62.81	3.66	0.00	142.0 (1-Lane)
1.300	26.70	5.06	0.00	196.2 (2-Lane)
1.300	26.59	5.04	0.00	195.4 (1-Lane)
1.400	8.71	3.70	0.00	143.3 (2-Lane)
1.400	9.02	3.86	0.00	149.6 (1-Lane)
1.500	4.62	4.62	0.00	179.0 (2-Lane)
1.500	4.72	4.72	0.00	183.1 (1-Lane)
1.600	3.70	8.71	0.00	143.3 (2-Lane)
1.600	3.86	9.02	0.00	149.6 (1-Lane)
1.700	5.06	26.70	0.00	196.2 (2-Lane)
1.700	5.04	26.59	0.00	195.4 (1-Lane)
1.800	3.68	63.06	0.00	142.5 (2-Lane)
1.800	3.66	62.81	0.00	142.0 (1-Lane)
1.900	4.10	262.90	0.00	158.9 (2-Lane)
1.900	4.08	261.85	0.00	158.3 (1-Lane)
1.949	3.19	492.42	0.00	123.6 (2-Lane)
1.949	3.18	490.45	0.00	123.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 139
MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.80		1.80	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	294.80 R	221.66	255.08 R	191.79
1.200	391.2	60.1	512.93 R	385.66	443.81 R	333.69
1.300	513.5	78.9	654.39 R	492.02	566.21 R	425.72
1.400	586.9	90.2	735.37 R	552.91	636.28 R	478.40
1.500	611.3	94.0	750.48 R	564.27	649.35 R	488.24
1.600	586.9	90.2	735.37 R	552.91	636.28 R	478.40
1.700	513.5	78.9	654.39 R	492.02	566.21 R	425.72
1.800	391.2	60.1	512.93 R	385.66	443.81 R	333.69
1.900	220.1	33.8	294.80 R	221.66	255.08 R	191.79
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.59	999.00	19.59	999.00	0.00	489.8 (2-Lane)
1.100	22.64	999.00	22.64	999.00	0.00	566.0 (1-Lane)
1.200	10.84	999.00	10.84	999.00	0.00	271.1 (2-Lane)
1.200	12.53	999.00	12.53	999.00	0.00	313.3 (1-Lane)
1.300	8.28	999.00	8.28	999.00	0.00	207.1 (2-Lane)
1.300	9.57	999.00	9.57	999.00	0.00	239.4 (1-Lane)
1.400	7.26	999.00	7.26	999.00	0.00	181.4 (2-Lane)
1.400	8.39	999.00	8.39	999.00	0.00	209.7 (1-Lane)
1.500	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.500	8.18	999.00	8.18	999.00	0.00	204.4 (1-Lane)
1.600	7.26	999.00	7.26	999.00	0.00	181.4 (2-Lane)
1.600	8.39	999.00	8.39	999.00	0.00	209.7 (1-Lane)
1.700	8.28	999.00	8.28	999.00	0.00	207.1 (2-Lane)
1.700	9.57	999.00	9.57	999.00	0.00	239.4 (1-Lane)
1.800	10.84	999.00	10.84	999.00	0.00	271.1 (2-Lane)
1.800	12.53	999.00	12.53	999.00	0.00	313.3 (1-Lane)
1.900	19.54	999.00	19.54	999.00	0.00	488.4 (2-Lane)
1.900	22.58	999.00	22.58	999.00	0.00	564.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	48.74	36.64	48.93	36.79
1.100	36.9	5.3	45.84	34.47	46.02	34.60
1.200	25.8	4.0	39.88	29.98	40.04	30.10
1.300	17.2	2.7	33.92	25.50	34.05	25.60
1.400	8.6	1.3	27.96	21.02	28.07	21.10
1.500	0.0	0.0	22.00	16.54	22.08	16.60
1.600	-8.6	-1.3	-27.96	-21.02	-28.07	-21.10
1.700	-17.2	-2.7	-33.92	-25.50	-34.05	-25.60
1.800	-25.8	-4.0	-39.88	-29.98	-40.04	-30.10
1.900	-34.4	-5.3	-45.84	-34.47	-46.02	-34.60
1.949	-38.6	-11.9	-48.74	-36.64	-48.93	-36.79
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: 3

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	81.8	30.2	112.0	-121.9	102.0 (2-Lane)
1.400	86.6	30.2	116.9	-126.8	106.9 (1-Lane)
1.500	47.0	47.7	94.7	-94.7	94.7 (2-Lane)
1.500	49.7	47.7	97.4	-97.4	97.4 (1-Lane)
1.600	81.8	30.2	112.0	-102.0	121.9 (2-Lane)
1.600	86.6	30.2	116.9	-106.9	126.8 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: 3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	249.55	3.21	0.00	80.3 (2-Lane)
1.051	248.56	3.20	0.00	79.9 (1-Lane)
1.100	102.74	4.05	0.00	101.2 (2-Lane)
1.100	102.33	4.03	0.00	100.7 (1-Lane)
1.200	30.74	3.65	0.00	91.4 (2-Lane)
1.200	30.62	3.64	0.00	91.0 (1-Lane)
1.300	19.12	4.88	0.00	122.0 (2-Lane)
1.300	19.04	4.86	0.00	121.5 (1-Lane)
1.400	7.60	3.65	0.00	91.2 (2-Lane)
1.400	7.88	3.81	0.00	95.2 (1-Lane)
1.500	4.30	4.30	0.00	107.6 (2-Lane)
1.500	4.41	4.41	0.00	110.3 (1-Lane)
1.600	3.65	7.60	0.00	91.2 (2-Lane)

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1.600	3.81	7.88	0.00	95.2 (1-Lane)
1.700	4.88	19.12	0.00	122.0 (2-Lane)
1.700	4.86	19.04	0.00	121.5 (1-Lane)
1.800	3.65	30.74	0.00	91.4 (2-Lane)
1.800	3.64	30.62	0.00	91.0 (1-Lane)
1.900	4.16	102.95	0.00	104.1 (2-Lane)
1.900	4.15	102.54	0.00	103.7 (1-Lane)
1.949	3.27	249.83	0.00	81.7 (2-Lane)
1.949	3.25	248.83	0.00	81.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01
 Rating Type: III-LG
 Rating Live Load: 3
 Gamma DC DW (2-Lane) (1-Lane)
 1.00 1.00 0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	131.02 R	98.51	113.37 R	85.24
1.200	391.2	60.1	227.97 R	171.41	197.25 R	148.31
1.300	513.5	78.9	290.84 R	218.68	251.65 R	189.21
1.400	586.9	90.2	326.83 R	245.74	282.79 R	212.62
1.500	611.3	94.0	333.55 R	250.79	288.60 R	216.99
1.600	586.9	90.2	326.83 R	245.74	282.79 R	212.62
1.700	513.5	78.9	290.84 R	218.68	251.65 R	189.21
1.800	391.2	60.1	227.97 R	171.41	197.25 R	148.31
1.900	220.1	33.8	131.02 R	98.51	113.37 R	85.24
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01
 Rating Type: III-LGL
 Rating Live Load: STRESSES
 Rating Type: 3
 Rating Live Load: 3
 Span Service Resistance Available Resistance for LL+I
 Positive Bending Negative Bending Positive Bending Negative Bending
 Top Bott. Top Bott. Top Bott. Top Bott.
 1.000 4.4 4.0 -4.4 -4.0 4.4 4.0 -4.4 -4.0
 1.051 4.5 4.0 -4.5 -4.0 4.4 3.9 -4.7 -4.2
 1.100 4.5 4.0 -4.5 -4.0 4.1 3.7 -4.9 -4.4
 1.200 4.5 4.0 -4.5 -4.0 3.7 3.4 -5.4 -4.7
 1.300 4.5 4.1 -4.5 -4.1 3.5 3.2 -5.6 -5.0
 1.400 4.5 4.1 -4.5 -4.1 3.4 3.1 -5.8 -5.1
 1.500 4.5 4.1 -4.5 -4.1 3.3 3.0 -5.9 -5.2
 1.600 4.5 4.1 -4.5 -4.1 3.4 3.1 -5.8 -5.1
 1.700 4.5 4.1 -4.5 -4.1 3.5 3.2 -5.6 -5.0
 1.800 4.5 4.0 -4.5 -4.0 3.7 3.4 -5.4 -4.7
 1.900 4.5 4.0 -4.5 -4.0 4.0 3.7 -5.0 -4.4
 1.949 4.5 4.0 -4.5 -4.0 4.4 3.9 -4.7 -4.2
 2.000 4.4 4.0 -4.4 -4.0 4.4 4.0 -4.4 -4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G01
 Rating Type: III-LGL S
 Rating Live Load: 3
 Service
 Span Rating Factor bottom fiber Rating Load
 top fiber bottom fiber Value Resistance
 +bend -bend +bend -bend (tons)
 1.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
 1.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
 1.051 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
 1.051 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

1.100	74.57	999.00	25.46	999.00	0.00	636.6	(2-Lane)
1.100	86.18	999.00	29.43	999.00	0.00	735.7	(1-Lane)
1.200	39.49	999.00	13.51	999.00	0.00	337.7	(2-Lane)
1.200	45.64	999.00	15.61	999.00	0.00	390.3	(1-Lane)
1.300	29.15	999.00	10.00	999.00	0.00	249.9	(2-Lane)
1.300	33.68	999.00	11.55	999.00	0.00	288.8	(1-Lane)
1.400	24.97	999.00	8.58	999.00	0.00	214.5	(2-Lane)
1.400	28.86	999.00	9.91	999.00	0.00	247.9	(1-Lane)
1.500	24.15	999.00	8.30	999.00	0.00	207.6	(2-Lane)
1.500	27.91	999.00	9.60	999.00	0.00	239.9	(1-Lane)
1.600	24.97	999.00	8.58	999.00	0.00	214.5	(2-Lane)
1.600	28.86	999.00	9.91	999.00	0.00	247.9	(1-Lane)
1.700	29.15	999.00	10.00	999.00	0.00	249.9	(2-Lane)
1.700	33.68	999.00	11.55	999.00	0.00	288.8	(1-Lane)
1.800	39.49	999.00	13.51	999.00	0.00	337.7	(2-Lane)
1.800	45.64	999.00	15.61	999.00	0.00	390.3	(1-Lane)
1.900	74.35	999.00	25.35	999.00	0.00	633.7	(2-Lane)
1.900	85.92	999.00	29.29	999.00	0.00	732.3	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	LL	LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	204.7	33.8	347.90 R	261.58	301.02 R	226.33	226.33	226.33	226.33
1.200	391.2	60.1	573.11 R	430.91	495.89 R	372.85	372.85	372.85	372.85
1.300	513.5	78.9	750.19 R	564.05	649.10 R	488.04	488.04	488.04	488.04
1.400	586.9	90.2	830.51 R	624.44	718.59 R	540.30	540.30	540.30	540.30
1.500	611.3	94.0	815.15 R	612.90	705.31 R	530.31	530.31	530.31	530.31
1.600	586.9	90.2	830.51 R	624.44	718.59 R	540.30	540.30	540.30	540.30
1.700	513.5	78.9	750.19 R	564.05	649.10 R	488.04	488.04	488.04	488.04
1.800	391.2	60.1	573.11 R	430.91	495.89 R	372.85	372.85	372.85	372.85
1.900	220.1	33.8	347.90 R	261.58	301.02 R	226.33	226.33	226.33	226.33
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.60	999.00	16.60	999.00	0.00	664.0 (2-Lane)
1.100	19.19	999.00	19.19	999.00	0.00	767.4 (1-Lane)
1.200	9.70	999.00	9.70	999.00	0.00	388.2 (2-Lane)
1.200	11.22	999.00	11.22	999.00	0.00	448.7 (1-Lane)
1.300	7.23	999.00	7.23	999.00	0.00	289.1 (2-Lane)
1.300	8.35	999.00	8.35	999.00	0.00	334.1 (1-Lane)
1.400	6.43	999.00	6.43	999.00	0.00	257.0 (2-Lane)
1.400	7.43	999.00	7.43	999.00	0.00	297.1 (1-Lane)
1.500	6.51	999.00	6.51	999.00	0.00	260.5 (2-Lane)
1.500	7.53	999.00	7.53	999.00	0.00	301.1 (1-Lane)
1.600	6.43	999.00	6.43	999.00	0.00	257.0 (2-Lane)
1.600	7.43	999.00	7.43	999.00	0.00	297.1 (1-Lane)
1.700	7.23	999.00	7.23	999.00	0.00	289.1 (2-Lane)
1.700	8.35	999.00	8.35	999.00	0.00	334.1 (1-Lane)
1.800	9.70	999.00	9.70	999.00	0.00	388.2 (2-Lane)
1.800	11.22	999.00	11.22	999.00	0.00	448.7 (1-Lane)
1.900	16.56	999.00	16.56	999.00	0.00	662.2 (2-Lane)
1.900	19.14	999.00	19.14	999.00	0.00	765.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	46.82	35.20	47.00	35.34
1.100	36.9	5.3	54.09	40.67	54.31	40.84
1.200	25.8	4.0	44.56	33.50	44.74	33.64
1.300	17.2	2.7	35.33	26.57	35.48	26.67
1.400	8.6	1.3	27.44	20.63	27.55	20.72
1.500	0.0	0.0	19.69	14.81	19.77	14.87
1.600	-8.6	-1.3	-27.44	-20.63	-27.55	-20.72
1.700	-17.2	-2.7	-35.33	-26.57	-35.48	-26.67
1.800	-25.8	-4.0	-44.56	-33.50	-44.74	-33.64
1.900	-34.4	-5.3	-54.09	-40.67	-54.31	-40.84
1.949	-38.6	-11.9	-58.73	-44.16	-58.97	-44.34
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	77.0	30.2	107.3	-117.2	97.3 (2-Lane)
1.400	81.8	30.2	112.0	-122.0	102.1 (1-Lane)
1.500	42.1	47.7	89.7	-89.7	89.7 (2-Lane)
1.500	44.5	47.7	92.2	-92.2	92.2 (1-Lane)

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1.600	77.0	30.2	107.3	-97.3	117.2 (2-Lane)
1.600	81.8	30.2	112.1	-102.1	122.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	249.55	3.34	0.00	133.7 (2-Lane)
1.051	248.56	3.33	0.00	133.2 (1-Lane)
1.100	102.74	3.43	0.00	137.1 (2-Lane)
1.100	102.33	3.41	0.00	136.6 (1-Lane)
1.200	30.74	3.27	0.00	130.8 (2-Lane)
1.200	30.62	3.26	0.00	130.3 (1-Lane)
1.300	19.12	4.68	0.00	187.3 (2-Lane)
1.300	19.04	4.66	0.00	186.6 (1-Lane)
1.400	7.93	3.55	0.00	141.9 (2-Lane)
1.400	8.22	3.71	0.00	148.2 (1-Lane)
1.500	4.56	4.56	0.00	182.3 (2-Lane)
1.500	4.66	4.66	0.00	186.5 (1-Lane)
1.600	3.55	7.93	0.00	141.9 (2-Lane)
1.600	3.71	8.22	0.00	148.2 (1-Lane)
1.700	4.68	19.12	0.00	187.3 (2-Lane)
1.700	4.66	19.04	0.00	186.6 (1-Lane)
1.800	3.27	30.74	0.00	130.8 (2-Lane)
1.800	3.26	30.62	0.00	130.3 (1-Lane)
1.900	3.53	102.95	0.00	141.1 (2-Lane)
1.900	3.51	102.54	0.00	140.6 (1-Lane)
1.949	2.71	249.83	0.00	108.5 (2-Lane)
1.949	2.70	248.83	0.00	108.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LG

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	154.62 R	116.26	133.78 R	100.59
1.200	391.2	60.1	254.72 R	191.52	220.39 R	165.71
1.300	513.5	78.9	333.42 R	250.69	288.49 R	216.91
1.400	586.9	90.2	369.11 R	277.53	319.38 R	240.13
1.500	611.3	94.0	362.29 R	272.40	313.47 R	235.69
1.600	586.9	90.2	369.11 R	277.53	319.38 R	240.13
1.700	513.5	78.9	333.42 R	250.69	288.49 R	216.91
1.800	391.2	60.1	254.72 R	191.52	220.39 R	165.71
1.900	220.1	33.8	154.62 R	116.26	133.78 R	100.59
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 153

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load: Span

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL S
Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	63.19	999.00	21.58	999.00	0.00	863.0 (2-Lane)
1.100	73.03	999.00	24.94	999.00	0.00	999.0 (1-Lane)
1.200	35.35	999.00	12.09	999.00	0.00	483.6 (2-Lane)
1.200	40.85	999.00	13.97	999.00	0.00	558.9 (1-Lane)
1.300	25.42	999.00	8.72	999.00	0.00	348.8 (2-Lane)
1.300	29.38	999.00	10.08	999.00	0.00	403.1 (1-Lane)
1.400	22.11	999.00	7.60	999.00	0.00	303.8 (2-Lane)
1.400	25.55	999.00	8.78	999.00	0.00	351.1 (1-Lane)
1.500	22.23	999.00	7.64	999.00	0.00	305.7 (2-Lane)
1.500	25.70	999.00	8.83	999.00	0.00	353.4 (1-Lane)
1.600	22.11	999.00	7.60	999.00	0.00	303.8 (2-Lane)
1.600	25.55	999.00	8.78	999.00	0.00	351.1 (1-Lane)
1.700	25.42	999.00	8.72	999.00	0.00	348.8 (2-Lane)
1.700	29.38	999.00	10.08	999.00	0.00	403.1 (1-Lane)
1.800	35.35	999.00	12.09	999.00	0.00	483.6 (2-Lane)
1.800	40.85	999.00	13.97	999.00	0.00	558.9 (1-Lane)
1.900	63.00	999.00	21.48	999.00	0.00	859.1 (2-Lane)
1.900	72.81	999.00	24.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.80		1.80	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	298.57 R	224.49	258.34 R	194.24
1.200	391.2	60.1	492.87 R	370.58	426.46 R	320.64
1.300	513.5	78.9	617.46 R	464.26	534.26 R	401.70
1.400	586.9	90.2	648.57 R	487.65	561.18 R	421.94
1.500	611.3	94.0	687.75 R	517.10	595.07 R	447.42

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1.600	586.9	90.2	648.57 R	487.65	561.18 R	421.94
1.700	513.5	78.9	617.46 R	464.26	534.26 R	401.70
1.800	391.2	60.1	492.87 R	370.58	426.46 R	320.64
1.900	220.1	33.8	298.57 R	224.49	258.34 R	194.24
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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 STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G01								
Rating Type: I-LEGL								
Rating Live Load: 3-3								
Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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 MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01						
Member I. D. G01						
Rating Type: I-LEGL						
Rating Live Load: 3-3						
Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.34	999.00	19.34	999.00	0.00	773.7 (2-Lane)
1.100	22.35	999.00	22.35	999.00	0.00	894.2 (1-Lane)
1.200	11.29	999.00	11.29	999.00	0.00	451.4 (2-Lane)
1.200	13.04	999.00	13.04	999.00	0.00	521.7 (1-Lane)
1.300	8.78	999.00	8.78	999.00	0.00	351.2 (2-Lane)
1.300	10.15	999.00	10.15	999.00	0.00	405.9 (1-Lane)
1.400	8.23	999.00	8.23	999.00	0.00	329.1 (2-Lane)
1.400	9.51	999.00	9.51	999.00	0.00	380.4 (1-Lane)
1.500	7.72	999.00	7.72	999.00	0.00	308.7 (2-Lane)
1.500	8.92	999.00	8.92	999.00	0.00	356.8 (1-Lane)
1.600	8.23	999.00	8.23	999.00	0.00	329.1 (2-Lane)
1.600	9.51	999.00	9.51	999.00	0.00	380.4 (1-Lane)
1.700	8.78	999.00	8.78	999.00	0.00	351.2 (2-Lane)
1.700	10.15	999.00	10.15	999.00	0.00	405.9 (1-Lane)
1.800	11.29	999.00	11.29	999.00	0.00	451.4 (2-Lane)
1.800	13.04	999.00	13.04	999.00	0.00	521.7 (1-Lane)
1.900	19.29	999.00	19.29	999.00	0.00	771.6 (2-Lane)
1.900	22.30	999.00	22.30	999.00	0.00	891.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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 LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09
 PAGE 158
 SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01		
Member I. D. G01		
Rating Type: I-LEGL		
Rating Live Load: 3-3		
	(2-Lane)	(1-Lane)

Gamma	DC	DW	LL	LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	50.37	37.87	50.57	38.02
1.100	36.9	5.3	46.43	34.91	46.61	35.05
1.200	25.8	4.0	38.32	28.81	38.47	28.93
1.300	17.2	2.7	30.21	22.72	30.33	22.81
1.400	8.6	1.3	23.58	17.73	23.67	17.80
1.500	0.0	0.0	18.33	13.79	18.41	13.84
1.600	-8.6	-1.3	-23.58	-17.73	-23.68	-17.80
1.700	-17.2	-2.7	-30.21	-22.72	-30.33	-22.81
1.800	-25.8	-4.0	-38.32	-28.81	-38.47	-28.93
1.900	-34.4	-5.3	-46.43	-34.91	-46.61	-35.05
1.949	-38.6	-11.9	-50.37	-37.87	-50.57	-38.02
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	78.2	30.2	108.4	-118.3	98.5 (2-Lane)
1.400	82.5	30.2	112.7	-122.6	102.8 (1-Lane)
1.500	42.6	47.7	90.2	-90.2	90.2 (2-Lane)
1.500	44.8	47.7	92.5	-92.5	92.5 (1-Lane)
1.600	78.2	30.2	108.4	-98.5	118.3 (2-Lane)
1.600	82.5	30.2	112.7	-102.8	122.6 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: 3-3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	303.03	3.11	0.00	124.3 (2-Lane)
1.051	301.82	3.09	0.00	123.8 (1-Lane)
1.100	124.76	3.99	0.00	159.8 (2-Lane)
1.100	124.26	3.98	0.00	159.2 (1-Lane)
1.200	37.33	3.80	0.00	152.1 (2-Lane)
1.200	37.18	3.79	0.00	151.5 (1-Lane)
1.300	23.22	5.48	0.00	219.1 (2-Lane)
1.300	23.12	5.45	0.00	218.2 (1-Lane)
1.400	9.04	4.18	0.00	167.0 (2-Lane)
1.400	9.33	4.34	0.00	173.6 (1-Lane)
1.500	4.92	4.92	0.00	196.8 (2-Lane)
1.500	5.03	5.03	0.00	201.0 (1-Lane)
1.600	4.18	9.04	0.00	167.0 (2-Lane)
1.600	4.34	9.33	0.00	173.6 (1-Lane)
1.700	5.48	23.22	0.00	219.1 (2-Lane)
1.700	5.45	23.12	0.00	218.2 (1-Lane)
1.800	3.80	37.33	0.00	152.1 (2-Lane)
1.800	3.79	37.18	0.00	151.5 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt

1.900	4.11	125.01	0.00	164.4 (2-Lane)
1.900	4.09	124.51	0.00	163.8 (1-Lane)
1.949	3.16	303.36	0.00	126.5 (2-Lane)
1.949	3.15	302.15	0.00	126.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	105.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	204.7	33.8	132.70 R		99.77	114.82 R		86.33
1.200	391.2	60.1	219.05 R		164.70	189.54 R		142.51
1.300	513.5	78.9	274.43 R		206.34	237.45 R		178.53
1.400	586.9	90.2	288.25 R		216.73	249.41 R		187.53
1.500	611.3	94.0	305.67 R		229.82	264.48 R		198.85
1.600	586.9	90.2	288.25 R		216.73	249.41 R		187.53
1.700	513.5	78.9	274.43 R		206.34	237.45 R		178.53
1.800	391.2	60.1	219.05 R		164.70	189.54 R		142.51
1.900	220.1	33.8	132.70 R		99.77	114.82 R		86.33
1.949	113.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 161

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL S

Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	73.63	999.00	25.14	999.00	0.00	999.0 (2-Lane)
1.100	85.10	999.00	29.06	999.00	0.00	999.0 (1-Lane)
1.200	41.10	999.00	14.06	999.00	0.00	562.3 (2-Lane)
1.200	47.50	999.00	16.25	999.00	0.00	649.9 (1-Lane)
1.300	30.89	999.00	10.59	999.00	0.00	423.7 (2-Lane)

1.300	35.70	999.00	12.24	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 489.7 (1-Lane)
1.400	28.31	999.00	9.73	999.00	0.00 389.0 (2-Lane)
1.400	32.72	999.00	11.24	999.00	0.00 449.6 (1-Lane)
1.500	26.35	999.00	9.06	999.00	0.00 362.4 (2-Lane)
1.500	30.46	999.00	10.47	999.00	0.00 418.8 (1-Lane)
1.600	28.31	999.00	9.73	999.00	0.00 389.0 (2-Lane)
1.600	32.72	999.00	11.24	999.00	0.00 449.6 (1-Lane)
1.700	30.89	999.00	10.59	999.00	0.00 423.7 (2-Lane)
1.700	35.70	999.00	12.24	999.00	0.00 489.7 (1-Lane)
1.800	41.10	999.00	14.06	999.00	0.00 562.3 (2-Lane)
1.800	47.50	999.00	16.25	999.00	0.00 649.9 (1-Lane)
1.900	73.41	999.00	25.03	999.00	0.00 999.0 (2-Lane)
1.900	84.84	999.00	28.92	999.00	0.00 999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	204.7	33.8	289.46 R	217.64	250.46 R	188.31			
1.200	391.2	60.1	505.32 R	379.94	437.23 R	328.74			
1.300	513.5	78.9	647.57 R	486.89	560.31 R	421.28			
1.400	586.9	90.2	738.29 R	555.11	638.81 R	480.31			
1.500	611.3	94.0	759.25 R	570.87	656.94 R	493.94			
1.600	586.9	90.2	738.29 R	555.11	638.81 R	480.31			
1.700	513.5	78.9	647.57 R	486.89	560.31 R	421.28			
1.800	391.2	60.1	505.32 R	379.94	437.23 R	328.74			
1.900	220.1	33.8	289.46 R	217.64	250.46 R	188.31			
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00			
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00			

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	Rating top +bend	Factor fiber -bend	bottom fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------	--------------------------	-----------------------	-----------------------	-----------------	------------------------------

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.95	999.00	19.95	999.00	0.00	538.7 (2-Lane)
1.100	23.06	999.00	23.06	999.00	0.00	622.6 (1-Lane)
1.200	11.01	999.00	11.01	999.00	0.00	297.2 (2-Lane)
1.200	12.72	999.00	12.72	999.00	0.00	343.5 (1-Lane)
1.300	8.37	999.00	8.37	999.00	0.00	226.0 (2-Lane)
1.300	9.68	999.00	9.68	999.00	0.00	261.2 (1-Lane)
1.400	7.23	999.00	7.23	999.00	0.00	195.2 (2-Lane)
1.400	8.35	999.00	8.35	999.00	0.00	225.6 (1-Lane)
1.500	6.99	999.00	6.99	999.00	0.00	188.8 (2-Lane)
1.500	8.08	999.00	8.08	999.00	0.00	218.2 (1-Lane)
1.600	7.23	999.00	7.23	999.00	0.00	195.2 (2-Lane)
1.600	8.35	999.00	8.35	999.00	0.00	225.6 (1-Lane)
1.700	8.37	999.00	8.37	999.00	0.00	226.0 (2-Lane)
1.700	9.68	999.00	9.68	999.00	0.00	261.2 (1-Lane)
1.800	11.01	999.00	11.01	999.00	0.00	297.2 (2-Lane)
1.800	12.72	999.00	12.72	999.00	0.00	343.5 (1-Lane)
1.900	19.90	999.00	19.90	999.00	0.00	537.3 (2-Lane)
1.900	23.00	999.00	23.00	999.00	0.00	620.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	47.79	35.93	47.98	36.08
1.100	36.9	5.3	45.01	33.84	45.19	33.98
1.200	25.8	4.0	39.29	29.54	39.44	29.66
1.300	17.2	2.7	33.56	25.24	33.70	25.34
1.400	8.6	1.3	27.84	20.93	27.95	21.02
1.500	0.0	0.0	22.12	16.63	22.21	16.70
1.600	-8.6	-1.3	-27.84	-20.93	-27.95	-21.02
1.700	-17.2	-2.7	-33.56	-25.24	-33.70	-25.34
1.800	-25.8	-4.0	-39.29	-29.54	-39.44	-29.66
1.900	-34.4	-5.3	-45.01	-33.84	-45.19	-33.98
1.949	-38.6	-11.9	-47.79	-35.93	-47.98	-36.08
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 167

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	81.4	30.2	111.7	-121.6	101.7 (2-Lane)
1.400	86.3	30.2	116.5	-126.5	106.6 (1-Lane)
1.500	47.0	47.7	94.7	-94.7	94.7 (2-Lane)
1.500	49.7	47.7	97.4	-97.4	97.4 (1-Lane)
1.600	81.4	30.2	111.7	-101.7	121.6 (2-Lane)
1.600	86.3	30.2	116.5	-106.6	126.5 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)

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1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

I-LEGL

Rating Live Load:

SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	280.75	3.27	0.00	88.4 (2-Lane)
1.051	279.63	3.26	0.00	88.0 (1-Lane)
1.100	115.58	4.12	0.00	111.3 (2-Lane)
1.100	115.12	4.10	0.00	110.8 (1-Lane)
1.200	31.89	3.71	0.00	100.1 (2-Lane)
1.200	31.76	3.69	0.00	99.7 (1-Lane)
1.300	18.84	4.93	0.00	133.1 (2-Lane)
1.300	18.77	4.91	0.00	132.6 (1-Lane)
1.400	7.42	3.65	0.00	98.6 (2-Lane)
1.400	7.68	3.81	0.00	103.0 (1-Lane)
1.500	4.28	4.28	0.00	115.6 (2-Lane)
1.500	4.39	4.39	0.00	118.4 (1-Lane)
1.600	3.65	7.42	0.00	98.6 (2-Lane)
1.600	3.81	7.68	0.00	103.0 (1-Lane)
1.700	4.93	18.84	0.00	133.1 (2-Lane)
1.700	4.91	18.77	0.00	132.6 (1-Lane)
1.800	3.71	31.89	0.00	100.1 (2-Lane)
1.800	3.69	31.76	0.00	99.7 (1-Lane)
1.900	4.24	115.82	0.00	114.5 (2-Lane)
1.900	4.22	115.36	0.00	114.0 (1-Lane)
1.949	3.33	281.06	0.00	90.0 (2-Lane)
1.949	3.32	279.93	0.00	89.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 169

SERVICE MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

III-LG

Rating Live Load:

SU4

Gamma

DC

DW

LL

LL

1.00

1.00

0.80

0.80

0.80

(2-Lane)

(1-Lane)

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	105.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	204.7	33.8	144.73 R		108.82	125.23 R		94.16		
1.200	391.2	60.1	252.66 R		189.97	218.61 R		164.37		
1.300	513.5	78.9	323.78 R		243.45	280.15 R		210.64		
1.400	586.9	90.2	369.15 R		277.55	319.40 R		240.15		
1.500	611.3	94.0	379.63 R		285.43	328.47 R		246.97		
1.600	586.9	90.2	369.15 R		277.55	319.40 R		240.15		
1.700	513.5	78.9	323.78 R		243.45	280.15 R		210.64		
1.800	391.2	60.1	252.66 R		189.97	218.61 R		164.37		
1.900	220.1	33.8	144.73 R		108.82	125.23 R		94.16		
1.949	113.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G01

Rating Type:

III-LGL

Rating Live Load:

STRESSES

Rating Type:

SU4

Rating Live Load:

Service Resistance

Span

Available Resistance for LL+I

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	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 170

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL S

Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	67.51	999.00	23.05	999.00	0.00	622.4 (2-Lane)
1.100	78.02	999.00	26.64	999.00	0.00	719.3 (1-Lane)
1.200	35.63	999.00	12.19	999.00	0.00	329.1 (2-Lane)
1.200	41.18	999.00	14.09	999.00	0.00	380.3 (1-Lane)
1.300	26.18	999.00	8.98	999.00	0.00	242.4 (2-Lane)
1.300	30.26	999.00	10.38	999.00	0.00	280.2 (1-Lane)
1.400	22.11	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.400	25.55	999.00	8.78	999.00	0.00	237.0 (1-Lane)
1.500	21.22	999.00	7.29	999.00	0.00	196.9 (2-Lane)
1.500	24.52	999.00	8.43	999.00	0.00	227.6 (1-Lane)
1.600	22.11	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.600	25.55	999.00	8.78	999.00	0.00	237.0 (1-Lane)
1.700	26.18	999.00	8.98	999.00	0.00	242.4 (2-Lane)
1.700	30.26	999.00	10.38	999.00	0.00	280.2 (1-Lane)
1.800	35.63	999.00	12.19	999.00	0.00	329.1 (2-Lane)
1.800	41.18	999.00	14.09	999.00	0.00	380.3 (1-Lane)
1.900	67.30	999.00	22.95	999.00	0.00	619.5 (2-Lane)
1.900	77.79	999.00	26.52	999.00	0.00	716.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	321.25 R	241.54	277.96 R	208.99
1.200	391.2	60.1	557.99 R	419.54	482.80 R	363.01
1.300	513.5	78.9	717.90 R	539.77	621.16 R	467.04
1.400	586.9	90.2	815.38 R	613.07	705.51 R	530.46
1.500	611.3	94.0	828.35 R	622.82	716.73 R	538.89
1.600	586.9	90.2	815.38 R	613.07	705.51 R	530.46
1.700	513.5	78.9	717.90 R	539.77	621.16 R	467.04
1.800	391.2	60.1	557.99 R	419.54	482.80 R	363.01
1.900	220.1	33.8	321.25 R	241.54	277.96 R	208.99
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-LEGL
 Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-LEGL
 Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.98	999.00	17.98	999.00	0.00	557.3 (2-Lane)
1.100	20.78	999.00	20.78	999.00	0.00	644.1 (1-Lane)
1.200	9.97	999.00	9.97	999.00	0.00	309.0 (2-Lane)
1.200	11.52	999.00	11.52	999.00	0.00	357.2 (1-Lane)
1.300	7.55	999.00	7.55	999.00	0.00	234.1 (2-Lane)
1.300	8.73	999.00	8.73	999.00	0.00	270.6 (1-Lane)
1.400	6.55	999.00	6.55	999.00	0.00	202.9 (2-Lane)
1.400	7.56	999.00	7.56	999.00	0.00	234.5 (1-Lane)
1.500	6.41	999.00	6.41	999.00	0.00	198.7 (2-Lane)
1.500	7.41	999.00	7.41	999.00	0.00	229.6 (1-Lane)
1.600	6.55	999.00	6.55	999.00	0.00	202.9 (2-Lane)
1.600	7.56	999.00	7.56	999.00	0.00	234.5 (1-Lane)
1.700	7.55	999.00	7.55	999.00	0.00	234.1 (2-Lane)
1.700	8.73	999.00	8.73	999.00	0.00	270.6 (1-Lane)
1.800	9.97	999.00	9.97	999.00	0.00	309.0 (2-Lane)
1.800	11.52	999.00	11.52	999.00	0.00	357.2 (1-Lane)
1.900	17.93	999.00	17.93	999.00	0.00	555.8 (2-Lane)
1.900	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-LEGL
 Rating Live Load: SU5

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00

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1.051	39.9	5.9	53.15	39.96	53.36	40.12
1.100	36.9	5.3	49.95	37.56	50.15	37.71
1.200	25.8	4.0	43.38	32.62	43.56	32.75
1.300	17.2	2.7	36.81	27.68	36.96	27.79
1.400	8.6	1.3	30.24	22.74	30.36	22.83
1.500	0.0	0.0	23.67	17.80	23.77	17.87
1.600	-8.6	-1.3	-30.24	-22.74	-30.36	-22.83
1.700	-17.2	-2.7	-36.81	-27.68	-36.96	-27.79
1.800	-25.8	-4.0	-43.38	-32.62	-43.56	-32.75
1.900	-34.4	-5.3	-49.95	-37.56	-50.15	-37.71
1.949	-38.6	-11.9	-53.15	-39.96	-53.36	-40.12
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.9999999_20120831cy17_01of01

Member I. D.G01

Rating Type:I-LEGL

Rating Live Load:SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	82.0	30.2	112.2	-122.1	102.2 (2-Lane)
1.400	87.1	30.2	117.3	-127.3	107.4 (1-Lane)
1.500	47.8	47.7	95.4	-95.4	95.4 (2-Lane)
1.500	50.7	47.7	98.3	-98.3	98.3 (1-Lane)
1.600	82.0	30.2	112.2	-102.3	122.1 (2-Lane)
1.600	87.1	30.2	117.4	-107.4	127.3 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.9999999_20120831cy17_01of01

Member I. D.G01

Rating Type:I-LEGL

Rating Live Load:SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	280.75	2.94	0.00	91.3 (2-Lane)
1.051	279.63	2.93	0.00	90.9 (1-Lane)
1.100	115.58	3.71	0.00	115.1 (2-Lane)
1.100	115.12	3.70	0.00	114.6 (1-Lane)
1.200	31.89	3.36	0.00	104.1 (2-Lane)
1.200	31.76	3.35	0.00	103.7 (1-Lane)
1.300	17.63	4.49	0.00	139.3 (2-Lane)
1.300	17.56	4.48	0.00	138.8 (1-Lane)
1.400	7.14	3.38	0.00	104.8 (2-Lane)
1.400	7.41	3.54	0.00	109.7 (1-Lane)
1.500	4.03	4.03	0.00	125.0 (2-Lane)
1.500	4.14	4.14	0.00	128.3 (1-Lane)
1.600	3.38	7.14	0.00	104.8 (2-Lane)
1.600	3.54	7.41	0.00	109.7 (1-Lane)
1.700	4.49	17.63	0.00	139.3 (2-Lane)
1.700	4.48	17.56	0.00	138.8 (1-Lane)
1.800	3.36	31.89	0.00	104.1 (2-Lane)
1.800	3.35	31.76	0.00	103.7 (1-Lane)
1.900	3.82	115.82	0.00	118.4 (2-Lane)
1.900	3.81	115.36	0.00	118.0 (1-Lane)
1.949	3.00	281.06	0.00	92.9 (2-Lane)
1.949	2.98	279.93	0.00	92.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	160.63 R	120.77	138.98 R	104.50
1.200	391.2	60.1	278.99 R	209.77	241.40 R	181.50
1.300	513.5	78.9	358.95 R	269.89	310.58 R	233.52
1.400	586.9	90.2	407.69 R	306.53	352.75 R	265.23
1.500	611.3	94.0	414.18 R	311.41	358.37 R	269.45
1.600	586.9	90.2	407.69 R	306.53	352.75 R	265.23
1.700	513.5	78.9	358.95 R	269.89	310.58 R	233.52
1.800	391.2	60.1	278.99 R	209.77	241.40 R	181.50
1.900	220.1	33.8	160.63 R	120.77	138.98 R	104.50
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL S

Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	60.83	999.00	20.77	999.00	0.00	643.9 (2-Lane)
1.100	70.30	999.00	24.00	999.00	0.00	744.1 (1-Lane)
1.200	32.27	999.00	11.04	999.00	0.00	342.2 (2-Lane)
1.200	37.30	999.00	12.76	999.00	0.00	395.5 (1-Lane)
1.300	23.61	999.00	8.10	999.00	0.00	251.1 (2-Lane)
1.300	27.29	999.00	9.36	999.00	0.00	290.2 (1-Lane)
1.400	20.02	999.00	6.88	999.00	0.00	213.2 (2-Lane)
1.400	23.13	999.00	7.95	999.00	0.00	246.4 (1-Lane)
1.500	19.45	999.00	6.69	999.00	0.00	207.3 (2-Lane)
1.500	22.48	999.00	7.73	999.00	0.00	239.5 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.600	20.02	999.00	6.88	999.00	0.00 213.2 (2-Lane)
1.600	23.13	999.00	7.95	999.00	0.00 246.4 (1-Lane)
1.700	23.61	999.00	8.10	999.00	0.00 251.1 (2-Lane)
1.700	27.29	999.00	9.36	999.00	0.00 290.2 (1-Lane)
1.800	32.27	999.00	11.04	999.00	0.00 342.2 (2-Lane)
1.800	37.30	999.00	12.76	999.00	0.00 395.5 (1-Lane)
1.900	60.64	999.00	20.67	999.00	0.00 640.9 (2-Lane)
1.900	70.09	999.00	23.90	999.00	0.00 740.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU6

		(2-Lane)		(1-Lane)
Gamma	DC	DW	LL	LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	204.7	33.8	339.05 R	254.92	293.36 R	220.57	254.92	293.36 R	220.57
1.200	391.2	60.1	611.69 R	459.92	529.26 R	397.94	459.92	529.26 R	397.94
1.300	513.5	78.9	794.64 R	597.47	687.56 R	516.96	597.47	687.56 R	516.96
1.400	586.9	90.2	896.29 R	673.90	775.52 R	583.09	673.90	775.52 R	583.09
1.500	611.3	94.0	923.14 R	694.09	798.74 R	600.56	694.09	798.74 R	600.56
1.600	586.9	90.2	896.29 R	673.90	775.52 R	583.09	673.90	775.52 R	583.09
1.700	513.5	78.9	794.64 R	597.47	687.56 R	516.96	597.47	687.56 R	516.96
1.800	391.2	60.1	611.69 R	459.92	529.26 R	397.94	459.92	529.26 R	397.94
1.900	220.1	33.8	339.05 R	254.92	293.36 R	220.57	254.92	293.36 R	220.57
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 180

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 181

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	17.03	999.00	17.03	999.00	591.9 (2-Lane)

1.100	19.69	999.00	19.69	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	684.1 (1-Lane)
1.200	9.09	999.00	9.09	999.00	0.00	316.0 (2-Lane)
1.200	10.51	999.00	10.51	999.00	0.00	365.2 (1-Lane)
1.300	6.82	999.00	6.82	999.00	0.00	237.1 (2-Lane)
1.300	7.89	999.00	7.89	999.00	0.00	274.0 (1-Lane)
1.400	5.95	999.00	5.95	999.00	0.00	206.9 (2-Lane)
1.400	6.88	999.00	6.88	999.00	0.00	239.1 (1-Lane)
1.500	5.75	999.00	5.75	999.00	0.00	199.8 (2-Lane)
1.500	6.65	999.00	6.65	999.00	0.00	230.9 (1-Lane)
1.600	5.95	999.00	5.95	999.00	0.00	206.9 (2-Lane)
1.600	6.88	999.00	6.88	999.00	0.00	239.1 (1-Lane)
1.700	6.82	999.00	6.82	999.00	0.00	237.1 (2-Lane)
1.700	7.89	999.00	7.89	999.00	0.00	274.0 (1-Lane)
1.800	9.09	999.00	9.09	999.00	0.00	316.0 (2-Lane)
1.800	10.51	999.00	10.51	999.00	0.00	365.2 (1-Lane)
1.900	16.99	999.00	16.99	999.00	0.00	590.3 (2-Lane)
1.900	19.63	999.00	19.63	999.00	0.00	682.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 182

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	56.30	42.33	56.53	42.50
1.100	36.9	5.3	52.72	39.64	52.93	39.80
1.200	25.8	4.0	45.35	34.10	45.54	34.24
1.300	17.2	2.7	37.99	28.56	38.14	28.68
1.400	8.6	1.3	30.62	23.03	30.75	23.12
1.500	0.0	0.0	23.26	17.49	23.35	17.56
1.600	-8.6	-1.3	-30.62	-23.03	-30.75	-23.12
1.700	-17.2	-2.7	-37.99	-28.56	-38.14	-28.68
1.800	-25.8	-4.0	-45.35	-34.10	-45.54	-34.24
1.900	-34.4	-5.3	-52.72	-39.64	-52.93	-39.80
1.949	-38.6	-11.9	-56.30	-42.33	-56.53	-42.50
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 183

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (2-Lane)
1.051	71.0	137.2	208.2	-260.0	156.5 (1-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (2-Lane)
1.100	79.0	148.6	227.6	-269.8	185.5 (1-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (2-Lane)
1.200	93.9	81.6	175.5	-205.3	145.7 (1-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (2-Lane)
1.300	103.8	81.6	185.3	-205.2	165.5 (1-Lane)
1.400	79.3	30.2	109.5	-119.5	99.6 (2-Lane)
1.400	84.5	30.2	114.7	-124.6	104.8 (1-Lane)
1.500	45.1	47.7	92.8	-92.8	92.8 (2-Lane)
1.500	48.0	47.7	95.6	-95.6	95.6 (1-Lane)
1.600	79.3	30.2	109.5	-99.6	119.5 (2-Lane)
1.600	84.5	30.2	114.7	-104.8	124.6 (1-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (2-Lane)
1.700	103.8	81.6	185.3	-165.5	205.2 (1-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (2-Lane)
1.800	93.9	81.6	175.5	-145.7	205.3 (1-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (2-Lane)
1.900	80.2	150.4	230.6	-190.8	270.3 (1-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (2-Lane)
1.949	71.6	138.1	209.7	-159.2	260.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 184

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	415.02	2.78	0.00	96.6 (2-Lane)
1.051	413.36	2.77	0.00	96.2 (1-Lane)
1.100	195.45	3.52	0.00	122.3 (2-Lane)
1.100	194.66	3.50	0.00	121.8 (1-Lane)
1.200	40.30	3.21	0.00	111.7 (2-Lane)
1.200	40.14	3.20	0.00	111.2 (1-Lane)
1.300	19.63	4.36	0.00	151.4 (2-Lane)
1.300	19.56	4.34	0.00	150.8 (1-Lane)
1.400	7.20	3.25	0.00	113.0 (2-Lane)
1.400	7.48	3.41	0.00	118.4 (1-Lane)
1.500	3.99	3.99	0.00	138.6 (2-Lane)
1.500	4.09	4.09	0.00	142.3 (1-Lane)
1.600	3.25	7.20	0.00	113.0 (2-Lane)
1.600	3.41	7.48	0.00	118.4 (1-Lane)
1.700	4.36	19.63	0.00	151.4 (2-Lane)
1.700	4.34	19.56	0.00	150.8 (1-Lane)
1.800	3.21	40.30	0.00	111.7 (2-Lane)
1.800	3.20	40.14	0.00	111.2 (1-Lane)
1.900	3.62	195.85	0.00	125.8 (2-Lane)
1.900	3.61	195.07	0.00	125.3 (1-Lane)
1.949	2.83	415.48	0.00	98.3 (2-Lane)
1.949	2.82	413.81	0.00	97.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	204.7	33.8	169.53 R	127.46	146.68 R	110.29	110.29	110.29	110.29
1.200	391.2	60.1	305.85 R	229.96	264.63 R	198.97	198.97	198.97	198.97
1.300	513.5	78.9	397.32 R	298.74	343.78 R	258.48	258.48	258.48	258.48
1.400	586.9	90.2	448.15 R	336.95	387.76 R	291.55	291.55	291.55	291.55
1.500	611.3	94.0	461.57 R	347.04	399.37 R	300.28	300.28	300.28	300.28
1.600	586.9	90.2	448.15 R	336.95	387.76 R	291.55	291.55	291.55	291.55
1.700	513.5	78.9	397.32 R	298.74	343.78 R	258.48	258.48	258.48	258.48
1.800	391.2	60.1	305.85 R	229.96	264.63 R	198.97	198.97	198.97	198.97
1.900	220.1	33.8	169.52 R	127.46	146.68 R	110.29	110.29	110.29	110.29
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL

Rating Live Load: STRESSES

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7

1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL S

Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	57.63	999.00	19.68	999.00	0.00	683.9 (2-Lane)
1.100	66.61	999.00	22.74	999.00	0.00	790.4 (1-Lane)
1.200	29.44	999.00	10.07	999.00	0.00	349.9 (2-Lane)
1.200	34.02	999.00	11.64	999.00	0.00	404.4 (1-Lane)
1.300	21.33	999.00	7.32	999.00	0.00	254.3 (2-Lane)
1.300	24.66	999.00	8.46	999.00	0.00	293.9 (1-Lane)
1.400	18.21	999.00	6.26	999.00	0.00	217.4 (2-Lane)
1.400	21.05	999.00	7.23	999.00	0.00	251.3 (1-Lane)
1.500	17.45	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.500	20.17	999.00	6.93	999.00	0.00	240.9 (1-Lane)
1.600	18.21	999.00	6.26	999.00	0.00	217.4 (2-Lane)
1.600	21.05	999.00	7.23	999.00	0.00	251.3 (1-Lane)
1.700	21.33	999.00	7.32	999.00	0.00	254.3 (2-Lane)
1.700	24.66	999.00	8.46	999.00	0.00	293.9 (1-Lane)
1.800	29.44	999.00	10.07	999.00	0.00	349.9 (2-Lane)
1.800	34.02	999.00	11.64	999.00	0.00	404.4 (1-Lane)
1.900	57.46	999.00	19.59	999.00	0.00	680.8 (2-Lane)
1.900	66.41	999.00	22.64	999.00	0.00	786.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	354.76 R	266.73	306.95 R	230.79
1.200	391.2	60.1	639.88 R	481.11	553.65 R	416.28
1.300	513.5	78.9	855.37 R	643.13	740.11 R	556.47
1.400	586.9	90.2	967.62 R	727.53	837.23 R	629.50
1.500	611.3	94.0	1001.83 R	753.26	866.84 R	651.76
1.600	586.9	90.2	967.62 R	727.53	837.23 R	629.50
1.700	513.5	78.9	855.37 R	643.13	740.11 R	556.47
1.800	391.2	60.1	639.88 R	481.11	553.65 R	416.28
1.900	220.1	33.8	354.76 R	266.73	306.95 R	230.79
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-LEGL
 Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5775.2	5775.2	-238.5	-238.5
1.200	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.300	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.400	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.500	6013.7	6013.7	0.0	0.0	5308.4	5308.4	-705.3	-705.3
1.600	6013.7	6013.7	0.0	0.0	5336.6	5336.6	-677.1	-677.1
1.700	6013.7	6013.7	0.0	0.0	5421.3	5421.3	-592.4	-592.4
1.800	6013.7	6013.7	0.0	0.0	5562.3	5562.3	-451.4	-451.4
1.900	6013.7	6013.7	0.0	0.0	5759.8	5759.8	-253.9	-253.9
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-LEGL
 Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.28	999.00	16.28	999.00	0.00	630.8 (2-Lane)
1.100	18.82	999.00	18.82	999.00	0.00	729.1 (1-Lane)
1.200	8.69	999.00	8.69	999.00	0.00	336.8 (2-Lane)
1.200	10.05	999.00	10.05	999.00	0.00	389.3 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	245.6 (2-Lane)
1.300	7.32	999.00	7.32	999.00	0.00	283.8 (1-Lane)
1.400	5.51	999.00	5.51	999.00	0.00	213.7 (2-Lane)
1.400	6.37	999.00	6.37	999.00	0.00	247.0 (1-Lane)
1.500	5.30	999.00	5.30	999.00	0.00	205.3 (2-Lane)
1.500	6.12	999.00	6.12	999.00	0.00	237.3 (1-Lane)
1.600	5.51	999.00	5.51	999.00	0.00	213.7 (2-Lane)
1.600	6.37	999.00	6.37	999.00	0.00	247.0 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	245.6 (2-Lane)
1.700	7.32	999.00	7.32	999.00	0.00	283.8 (1-Lane)
1.800	8.69	999.00	8.69	999.00	0.00	336.8 (2-Lane)
1.800	10.05	999.00	10.05	999.00	0.00	389.3 (1-Lane)
1.900	16.24	999.00	16.24	999.00	0.00	629.1 (2-Lane)
1.900	18.76	999.00	18.76	999.00	0.00	727.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01
 Rating Type: I-LEGL
 Rating Live Load: SU7

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	5.9	59.15	44.48	59.39	44.66
1.100	36.9	5.3	55.16	41.47	55.38	41.64
1.200	25.8	4.0	46.95	35.30	47.14	35.44
1.300	17.2	2.7	38.74	29.12	38.89	29.24
1.400	8.6	1.3	30.52	22.95	30.65	23.04
1.500	0.0	0.0	22.65	17.03	22.75	17.10
1.600	-8.6	-1.3	-30.52	-22.95	-30.65	-23.04
1.700	-17.2	-2.7	-38.74	-29.12	-38.89	-29.24

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1.800	-25.8	-4.0	-46.95	-35.30	-47.14	-35.44
1.900	-34.4	-5.3	-55.16	-41.47	-55.38	-41.64
1.949	-38.6	-11.9	-59.15	-44.48	-59.39	-44.65
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	71.0	137.2	-260.0	156.5	(2-Lane)
1.051	71.0	137.2	-260.0	156.5	(1-Lane)
1.100	79.0	148.6	-269.8	185.5	(2-Lane)
1.100	79.0	148.6	-269.8	185.5	(1-Lane)
1.200	93.9	81.6	-205.3	145.7	(2-Lane)
1.200	93.9	81.6	-205.3	145.7	(1-Lane)
1.300	103.8	81.6	-205.2	165.5	(2-Lane)
1.300	103.8	81.6	-205.2	165.5	(1-Lane)
1.400	76.6	30.2	-116.7	96.9	(2-Lane)
1.400	81.7	30.2	-121.8	102.0	(1-Lane)
1.500	42.8	47.7	-90.5	90.5	(2-Lane)
1.500	45.6	47.7	-93.2	93.2	(1-Lane)
1.600	76.6	30.2	-96.9	116.7	(2-Lane)
1.600	81.7	30.2	-102.0	121.8	(1-Lane)
1.700	103.8	81.6	-165.5	205.2	(2-Lane)
1.700	103.8	81.6	-165.5	205.2	(1-Lane)
1.800	93.9	81.6	-145.7	205.3	(2-Lane)
1.800	93.9	81.6	-145.7	205.3	(1-Lane)
1.900	80.2	150.4	-190.8	270.3	(2-Lane)
1.900	80.2	150.4	-190.8	270.3	(1-Lane)
1.949	71.6	138.1	-159.2	260.3	(2-Lane)
1.949	71.6	138.1	-159.2	260.3	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Rating	Factor	Rating	Load
	(-)	(+)	Value	Resistance
				(tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	415.02	2.64	0.00	102.5 (2-Lane)
1.051	413.36	2.63	0.00	102.1 (1-Lane)
1.100	221.37	3.36	0.00	130.3 (2-Lane)
1.100	220.48	3.35	0.00	129.8 (1-Lane)
1.200	53.21	3.10	0.00	120.3 (2-Lane)
1.200	53.00	3.09	0.00	119.8 (1-Lane)
1.300	22.53	4.27	0.00	165.5 (2-Lane)
1.300	22.44	4.26	0.00	164.9 (1-Lane)
1.400	7.45	3.17	0.00	123.0 (2-Lane)
1.400	7.75	3.33	0.00	128.9 (1-Lane)
1.500	3.99	3.99	0.00	154.7 (2-Lane)
1.500	4.10	4.10	0.00	158.8 (1-Lane)
1.600	3.17	7.45	0.00	123.0 (2-Lane)
1.600	3.33	7.75	0.00	128.9 (1-Lane)
1.700	4.27	22.53	0.00	165.5 (2-Lane)
1.700	4.26	22.44	0.00	164.9 (1-Lane)
1.800	3.10	53.21	0.00	120.3 (2-Lane)
1.800	3.09	53.00	0.00	119.8 (1-Lane)
1.900	3.46	221.82	0.00	134.1 (2-Lane)
1.900	3.45	220.93	0.00	133.5 (1-Lane)
1.949	2.69	415.48	0.00	104.3 (2-Lane)
1.949	2.68	413.81	0.00	103.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 193

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	33.8	177.38 R	133.37	153.48 R	115.40
1.200	391.2	60.1	319.94 R	240.56	276.83 R	208.14
1.300	513.5	78.9	427.68 R	321.57	370.05 R	278.24
1.400	586.9	90.2	483.81 R	363.77	418.62 R	314.75
1.500	611.3	94.0	500.92 R	376.63	433.42 R	325.88
1.600	586.9	90.2	483.81 R	363.77	418.61 R	314.75
1.700	513.5	78.9	427.68 R	321.57	370.05 R	278.24
1.800	391.2	60.1	319.94 R	240.56	276.83 R	208.14
1.900	220.1	33.8	177.38 R	133.37	153.48 R	115.40
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.6	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.7
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G01

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.08	999.00	0.00	728.8 (2-Lane)
1.100	63.66	999.00	0.00	842.3 (1-Lane)
1.200	28.14	999.00	0.00	373.0 (2-Lane)
1.200	32.52	999.00	0.00	431.1 (1-Lane)
1.300	19.82	999.00	0.00	263.4 (2-Lane)
1.300	22.91	999.00	0.00	304.4 (1-Lane)
1.400	16.87	999.00	0.00	224.6 (2-Lane)
1.400	19.49	999.00	0.00	259.5 (1-Lane)
1.500	16.08	999.00	0.00	214.2 (2-Lane)
1.500	18.58	999.00	0.00	247.6 (1-Lane)
1.600	16.87	999.00	0.00	224.6 (2-Lane)
1.600	19.49	999.00	0.00	259.5 (1-Lane)
1.700	19.82	999.00	0.00	263.4 (2-Lane)
1.700	22.91	999.00	0.00	304.4 (1-Lane)
1.800	28.14	999.00	0.00	373.0 (2-Lane)
1.800	32.52	999.00	0.00	431.1 (1-Lane)

1.900	54.92	999.00	18.72	999.00	0.00	725.5	(2-Lane)
1.900	63.47	999.00	21.64	999.00	0.00	838.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF		0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LRFD LLDF Shear		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF		0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF		0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LRFD LLDF Shear		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF		0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G02 01-IG002
 Symmetry:

Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5
	56.786	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	56.786	1	0		0.0	0.0

Range Length -- Composite:			
Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:		Distributed Load (lbs/ft)				Concentrated Load (kips)
Span No.	Load Type	Dist. from Left Supp.	Left	Right	Length	
1	W	0.000	196.9	196.9	56.786	0.0
1	Z	0.000	169.9	169.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Void Dy	Prestress Strands Area	Prestress Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Member I. D. G02

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SECTION STRENGTH (N=N)

Member I. D. G02

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SECTION STRENGTH (N=3N)

Member I. D. G02

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MOMENT REPORT

Member I. D.	G02
Rating Type:	I-INV
Rating Live Load:	HL93

Span Dead Load Superimposed Live Load w/impact Live Load w/o impact Live Load w/impact Live Load w/o impact
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9999999_20120831cy17_FlexuralRpt.txt										
	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	99.2	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.4 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.6 (1-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.200	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.300	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.300	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.400	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.500	3.68	999.00	3.68	999.00	0.00	132.4 (2-Lane)
1.500	4.92	999.00	4.92	999.00	0.00	177.1 (1-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.600	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.700	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.700	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.800	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.800	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.900	10.18	999.00	10.18	999.00	0.00	366.4 (2-Lane)
1.900	13.61	999.00	13.61	999.00	0.00	490.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	118.11	0.00	94.04	0.00	102.90	0.00	81.94
1.100	43.8	5.6	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	29.3	4.2	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	19.5	2.8	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	9.8	1.4	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-9.8	-1.4	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-19.5	-2.8	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-29.3	-4.2	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-39.0	-5.6	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.949	-43.7	-12.5	-118.11	0.00	-94.04	0.00	-102.90	0.00	-81.94
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	97.0	30.6	127.6	-138.8	116.5 (2-Lane)
1.400	102.1	30.6	132.7	-143.8	121.5 (1-Lane)
1.500	59.9	48.2	108.2	-108.2	108.2 (2-Lane)
1.500	61.9	48.2	110.1	-110.1	110.1 (1-Lane)
1.600	97.0	30.6	127.6	-116.5	138.8 (2-Lane)
1.600	102.1	30.6	132.7	-121.5	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HL93

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.16	0.00	41.7 (2-Lane)
1.051	103.29	1.33	0.00	47.8 (1-Lane)
1.100	48.07	1.53	0.00	55.2 (2-Lane)
1.100	55.17	1.76	0.00	63.3 (1-Lane)
1.200	13.95	1.53	0.00	55.2 (2-Lane)
1.200	16.01	1.76	0.00	63.4 (1-Lane)
1.300	8.51	2.15	0.00	77.2 (2-Lane)
1.300	9.76	2.46	0.00	88.7 (1-Lane)
1.400	3.95	1.87	0.00	67.3 (2-Lane)
1.400	4.70	2.24	0.00	80.5 (1-Lane)
1.500	2.28	2.28	0.00	82.2 (2-Lane)
1.500	2.67	2.67	0.00	96.0 (1-Lane)

1.600	1.87	3.95	0.00	67.3 (2-Lane)
1.600	2.24	4.70	0.00	80.6 (1-Lane)
1.700	2.15	8.51	0.00	77.2 (2-Lane)
1.700	2.46	9.76	0.00	88.7 (1-Lane)
1.800	1.53	13.95	0.00	55.2 (2-Lane)
1.800	1.76	16.01	0.00	63.4 (1-Lane)
1.900	1.64	46.41	0.00	58.9 (2-Lane)
1.900	1.88	53.27	0.00	67.6 (1-Lane)
1.949	1.21	88.36	0.00	43.4 (2-Lane)
1.949	1.38	101.41	0.00	49.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	79.4	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt	0.00	999.0 (1-Lane)
1.100	42.60	999.00	12.97	999.00	0.00	467.0 (2-Lane)	
1.100	56.98	999.00	17.35	999.00	0.00	624.6 (1-Lane)	
1.200	22.35	999.00	6.80	999.00	0.00	244.7 (2-Lane)	
1.200	29.90	999.00	9.09	999.00	0.00	327.2 (1-Lane)	
1.300	16.42	999.00	5.00	999.00	0.00	179.9 (2-Lane)	
1.300	21.95	999.00	6.68	999.00	0.00	240.6 (1-Lane)	
1.400	14.01	999.00	4.27	999.00	0.00	153.7 (2-Lane)	
1.400	18.73	999.00	5.71	999.00	0.00	205.5 (1-Lane)	
1.500	13.58	999.00	4.14	999.00	0.00	149.1 (2-Lane)	
1.500	18.16	999.00	5.54	999.00	0.00	199.3 (1-Lane)	
1.600	14.01	999.00	4.27	999.00	0.00	153.7 (2-Lane)	
1.600	18.73	999.00	5.71	999.00	0.00	205.5 (1-Lane)	
1.700	16.42	999.00	5.00	999.00	0.00	179.9 (2-Lane)	
1.700	21.95	999.00	6.68	999.00	0.00	240.6 (1-Lane)	
1.800	22.35	999.00	6.80	999.00	0.00	244.7 (2-Lane)	
1.800	29.90	999.00	9.09	999.00	0.00	327.2 (1-Lane)	
1.900	42.37	999.00	12.86	999.00	0.00	462.9 (2-Lane)	
1.900	56.66	999.00	17.20	999.00	0.00	619.1 (1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	443.0	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	581.4	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	664.5	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	692.1	99.2	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	664.5	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	581.4	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	443.0	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	249.2	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 206

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	12.61	999.00	12.61	999.00	252.15	453.9	(2-Lane)
1.100	16.86	999.00	16.86	999.00	337.22	607.0	(1-Lane)
1.200	6.98	999.00	6.98	999.00	139.61	251.3	(2-Lane)
1.200	9.34	999.00	9.34	999.00	186.71	336.1	(1-Lane)
1.300	5.37	999.00	5.37	999.00	107.32	193.2	(2-Lane)
1.300	7.18	999.00	7.18	999.00	143.53	258.4	(1-Lane)
1.400	4.71	999.00	4.71	999.00	94.27	169.7	(2-Lane)
1.400	6.30	999.00	6.30	999.00	126.08	226.9	(1-Lane)
1.500	4.64	999.00	4.64	999.00	92.79	167.0	(2-Lane)
1.500	6.20	999.00	6.20	999.00	124.10	223.4	(1-Lane)
1.600	4.71	999.00	4.71	999.00	94.27	169.7	(2-Lane)
1.600	6.30	999.00	6.30	999.00	126.08	226.9	(1-Lane)
1.700	5.37	999.00	5.37	999.00	107.32	193.2	(2-Lane)
1.700	7.18	999.00	7.18	999.00	143.53	258.4	(1-Lane)
1.800	6.98	999.00	6.98	999.00	139.61	251.3	(2-Lane)
1.800	9.34	999.00	9.34	999.00	186.71	336.1	(1-Lane)
1.900	12.54	999.00	12.54	999.00	250.82	451.5	(2-Lane)
1.900	16.77	999.00	16.77	999.00	335.45	603.8	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	96.99	0.00	72.93	0.00	84.51	0.00	63.54	0.00
1.100	43.8	5.6	90.98	0.00	68.41	0.00	79.27	0.00	59.60	0.00
1.200	29.3	4.2	78.61	0.00	59.11	0.00	68.49	0.00	51.50	0.00
1.300	19.5	2.8	66.24	0.00	49.81	0.00	57.72	0.00	43.40	0.00
1.400	9.8	1.4	53.88	0.00	40.51	0.00	46.94	0.00	35.29	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19	0.00
1.600	-9.8	-1.4	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29	0.00
1.700	-19.5	-2.8	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40	0.00
1.800	-29.3	-4.2	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50	0.00
1.900	-39.0	-5.6	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60	0.00
1.949	-43.7	-12.5	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: HS20

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)	
1.000	0.0	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7	(2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7	(1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6	(2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6	(1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6	(2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6	(1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8	(2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8	(1-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9	(2-Lane)
1.400	102.6	30.6	133.1	-144.3	122.0	(1-Lane)
1.500	60.5	48.2	108.7	-108.7	108.7	(2-Lane)

1.500	61.6	48.2	109.9	-109.9	109.9 (1-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (2-Lane)
1.600	102.6	30.6	133.1	-122.0	144.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.41	28.19	50.8 (2-Lane)
1.051	103.29	1.62	32.36	58.2 (1-Lane)
1.100	48.65	1.85	37.06	66.7 (2-Lane)
1.100	55.84	2.13	42.54	76.6 (1-Lane)
1.200	19.15	1.83	36.53	65.8 (2-Lane)
1.200	21.97	2.10	41.92	75.5 (1-Lane)
1.300	10.88	2.52	50.36	90.6 (2-Lane)
1.300	12.49	2.89	57.80	104.0 (1-Lane)
1.400	4.61	2.19	43.78	78.8 (2-Lane)
1.400	5.44	2.60	51.98	93.6 (1-Lane)
1.500	2.62	2.62	52.39	94.3 (2-Lane)
1.500	3.04	3.04	60.76	109.4 (1-Lane)
1.600	2.19	4.61	43.78	78.8 (2-Lane)
1.600	2.60	5.44	51.98	93.6 (1-Lane)
1.700	2.52	10.88	50.36	90.6 (2-Lane)
1.700	2.89	12.49	57.80	104.0 (1-Lane)
1.800	1.83	19.15	36.53	65.8 (2-Lane)
1.800	2.10	21.97	41.92	75.5 (1-Lane)
1.900	1.98	48.96	39.55	71.2 (2-Lane)
1.900	2.27	56.19	45.39	81.7 (1-Lane)
1.949	1.47	90.30	29.39	52.9 (2-Lane)
1.949	1.69	103.64	33.74	60.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 211

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-IN
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	174.7	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00
1.200	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00
1.300	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00
1.400	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00
1.500	553.7	79.4	522.75 R	0.00	393.04	0.00	390.87 R	0.00
1.600	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00
1.700	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00
1.800	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00
1.900	199.3	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: III-INV
 Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: III-INV S
 Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.50	999.00	15.98	999.00	319.70	575.5 (2-Lane)
1.100	70.21	999.00	21.38	999.00	427.56	769.6 (1-Lane)
1.200	27.69	999.00	8.42	999.00	168.38	303.1 (2-Lane)
1.200	37.03	999.00	11.26	999.00	225.19	405.3 (1-Lane)
1.300	20.49	999.00	6.24	999.00	124.75	224.6 (2-Lane)
1.300	27.40	999.00	8.34	999.00	166.84	300.3 (1-Lane)
1.400	17.55	999.00	5.35	999.00	107.00	192.6 (2-Lane)
1.400	23.48	999.00	7.16	999.00	143.09	257.6 (1-Lane)
1.500	17.13	999.00	5.22	999.00	104.45	188.0 (2-Lane)
1.500	22.91	999.00	6.98	999.00	139.69	251.4 (1-Lane)
1.600	17.55	999.00	5.35	999.00	107.00	192.6 (2-Lane)
1.600	23.48	999.00	7.16	999.00	143.09	257.6 (1-Lane)
1.700	20.49	999.00	6.24	999.00	124.75	224.6 (2-Lane)
1.700	27.40	999.00	8.34	999.00	166.84	300.3 (1-Lane)
1.800	27.69	999.00	8.42	999.00	168.38	303.1 (2-Lane)
1.800	37.03	999.00	11.26	999.00	225.19	405.3 (1-Lane)
1.900	52.20	999.00	15.84	999.00	316.86	570.3 (2-Lane)
1.900	69.82	999.00	21.19	999.00	423.76	762.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-INV
 Rating Live Load: 3

Span	DC		DW		(2-Lane)		(1-Lane)	
	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00
1.200	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00
1.300	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00
1.400	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00

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1.500	692.1	99.2	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48
1.600	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79
1.700	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83
1.800	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08
1.900	249.2	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G02

Rating Type:

I-INV

Rating Live Load:

3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G02

Rating Type:

I-INV

Rating Live Load:

3

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.37	999.00	17.37	999.00	0.00	434.2 (2-Lane)
1.100	23.23	999.00	23.23	999.00	0.00	580.7 (1-Lane)
1.200	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.200	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.300	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.300	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.400	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.400	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.500	6.20	999.00	6.20	999.00	0.00	154.9 (2-Lane)
1.500	8.28	999.00	8.28	999.00	0.00	207.1 (1-Lane)
1.600	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.600	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.700	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.700	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.800	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.800	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.900	17.28	999.00	17.28	999.00	0.00	431.9 (2-Lane)
1.900	23.10	999.00	23.10	999.00	0.00	577.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 216

SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G02

Rating Type:

I-INV

Rating Live Load:

3

Gamma	(2-Lane)		(1-Lane)				
	DC 1.25	DW 1.25	LL 1.75	LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.22	0.00	52.80	0.00	46.00
1.100	43.8	5.6	66.04	0.00	49.66	0.00	43.26
1.200	29.3	4.2	57.46	0.00	43.20	0.00	37.64
1.300	19.5	2.8	48.87	0.00	36.74	0.00	32.00
1.400	9.8	1.4	40.28	0.00	30.28	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	20.76
1.600	-9.8	-1.4	-40.28	0.00	-30.28	0.00	-26.39
1.700	-19.5	-2.8	-48.87	0.00	-36.74	0.00	-32.01
1.800	-29.3	-4.2	-57.46	0.00	-43.20	0.00	-37.64
1.900	-39.0	-5.6	-66.04	0.00	-49.66	0.00	-43.26
1.949	-43.7	-12.5	-70.22	0.00	-52.80	0.00	-46.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.5	30.6	124.1	-135.2	112.9 (2-Lane)
1.400	96.2	30.6	126.7	-137.9	115.6 (1-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (2-Lane)
1.500	55.6	48.2	103.9	-103.9	103.9 (1-Lane)
1.600	93.5	30.6	124.1	-112.9	135.2 (2-Lane)
1.600	96.2	30.6	126.7	-115.6	137.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.95	0.00	48.7 (2-Lane)
1.051	194.43	2.23	0.00	55.9 (1-Lane)
1.100	70.69	2.55	0.00	63.8 (2-Lane)
1.100	81.13	2.93	0.00	73.3 (1-Lane)
1.200	21.87	2.50	0.00	62.5 (2-Lane)
1.200	25.10	2.87	0.00	71.7 (1-Lane)
1.300	13.67	3.41	0.00	85.3 (2-Lane)
1.300	15.69	3.92	0.00	97.9 (1-Lane)
1.400	5.85	2.80	0.00	70.1 (2-Lane)
1.400	6.85	3.29	0.00	82.3 (1-Lane)
1.500	3.28	3.28	0.00	81.9 (2-Lane)
1.500	3.76	3.76	0.00	94.1 (1-Lane)
1.600	2.80	5.85	0.00	70.1 (2-Lane)
1.600	3.29	6.85	0.00	82.3 (1-Lane)
1.700	3.41	13.67	0.00	85.3 (2-Lane)
1.700	3.92	15.69	0.00	97.9 (1-Lane)
1.800	2.50	21.87	0.00	62.5 (2-Lane)
1.800	2.87	25.10	0.00	71.7 (1-Lane)

1.900	2.72	71.13	0.00	68.1 (2-Lane)
1.900	3.13	81.64	0.00	78.2 (1-Lane)
1.949	2.03	169.97	0.00	50.8 (2-Lane)
1.949	2.33	195.08	0.00	58.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 219

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-IN
Rating Live Load: 3

Gamma	DC	DW	LL	LL
	1.00	1.00	(2-Lane) 0.80	(1-Lane) 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	79.4	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 219

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)

						9999999_20120831cy17_FlexuralRpt.txt
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.500	22.87	999.00	6.97	999.00	0.00	174.3 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.1 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.900	71.91	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.17	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 221

MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01										
Member I. D.		G02										
Rating Type:		I-INV										
Rating Live Load:		3S2										
		(2-Lane)					(1-Lane)					
Gamma	DC	DW	LL					LL				
	1.25	1.25	1.75					1.75				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane		
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	
1.100	218.4	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00	0.00	
1.200	443.0	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00	0.00	
1.300	581.4	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00	0.00	
1.400	664.5	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00	0.00	
1.500	692.1	99.2	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00	0.00	
1.600	664.5	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00	0.00	
1.700	581.4	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00	0.00	
1.800	443.0	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00	0.00	
1.900	249.2	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00	0.00	
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.72	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	19.68	999.00	19.68	999.00	0.00	787.3 (1-Lane)
1.200	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.200	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.300	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.500	5.70	999.00	5.70	999.00	0.00	228.1 (2-Lane)
1.500	7.63	999.00	7.63	999.00	0.00	305.1 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.700	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.800	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.800	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.900	14.64	999.00	14.64	999.00	0.00	585.6 (2-Lane)
1.900	19.58	999.00	19.58	999.00	0.00	783.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	67.45	0.00	50.72	0.00	58.77	0.00
1.100	43.8	5.6	77.94	0.00	58.60	0.00	67.91	0.00
1.200	29.3	4.2	64.20	0.00	48.27	0.00	55.93	0.00
1.300	19.5	2.8	50.91	0.00	38.28	0.00	44.36	0.00
1.400	9.8	1.4	39.54	0.00	29.73	0.00	34.45	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00
1.600	-9.8	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00
1.700	-19.5	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00
1.800	-29.3	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00
1.900	-39.0	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00
1.949	-43.7	-12.5	-84.62	0.00	-63.62	0.00	-73.72	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	87.9	30.6	118.5	-129.6	107.3 (2-Lane)
1.400	91.0	30.6	121.6	-132.7	110.4 (1-Lane)
1.500	49.4	48.2	97.6	-97.6	97.6 (2-Lane)
1.500	49.7	48.2	98.0	-98.0	98.0 (1-Lane)
1.600	87.9	30.6	118.5	-107.3	129.6 (2-Lane)
1.600	91.0	30.6	121.6	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)

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1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	2.03	0.00	81.1 (2-Lane)
1.051	194.43	2.33	0.00	93.1 (1-Lane)
1.100	70.69	2.16	0.00	86.5 (2-Lane)
1.100	81.13	2.48	0.00	99.3 (1-Lane)
1.200	21.87	2.24	0.00	89.5 (2-Lane)
1.200	25.10	2.57	0.00	102.7 (1-Lane)
1.300	13.67	3.28	0.00	131.1 (2-Lane)
1.300	15.69	3.76	0.00	150.4 (1-Lane)
1.400	6.08	2.71	0.00	108.6 (2-Lane)
1.400	7.15	3.20	0.00	128.2 (1-Lane)
1.500	3.44	3.44	0.00	137.6 (2-Lane)
1.500	3.96	3.96	0.00	158.5 (1-Lane)
1.600	2.71	6.08	0.00	108.6 (2-Lane)
1.600	3.20	7.15	0.00	128.2 (1-Lane)
1.700	3.28	13.67	0.00	131.1 (2-Lane)
1.700	3.76	15.69	0.00	150.4 (1-Lane)
1.800	2.24	21.87	0.00	89.5 (2-Lane)
1.800	2.57	25.10	0.00	102.7 (1-Lane)
1.900	2.31	71.13	0.00	92.3 (2-Lane)
1.900	2.65	81.64	0.00	106.0 (1-Lane)
1.949	1.68	169.97	0.00	67.4 (2-Lane)
1.949	1.93	195.08	0.00	77.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 227

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	174.7	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00
1.200	354.4	50.8	298.98 R	0.00	224.79	0.00	223.56 R	0.00
1.300	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00
1.400	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00
1.500	553.7	79.4	425.24 R	0.00	319.73	0.00	317.97 R	0.00
1.600	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00
1.700	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00
1.800	354.4	50.8	298.98 R	0.00	224.79	0.00	223.55 R	0.00
1.900	199.3	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 227

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.300	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8 (2-Lane)
1.500	28.16	999.00	8.59	999.00	0.00	343.4 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.700	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.900	60.94	999.00	18.49	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.73	999.00	0.00	989.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	99.2	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Bending Bott.	Resistance Negative Top	LL+I Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	685.9 (2-Lane)
1.100	22.93	999.00	22.93	999.00	0.00	917.4 (1-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.200	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.300	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.300	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.400	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.400	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.500	6.76	999.00	6.76	999.00	0.00	270.4 (2-Lane)
1.500	9.04	999.00	9.04	999.00	0.00	361.6 (1-Lane)
1.600	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.600	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.700	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.700	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.800	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.900	17.06	999.00	17.06	999.00	0.00	682.3 (2-Lane)
1.900	22.81	999.00	22.81	999.00	0.00	912.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.57	0.00	54.56	0.00	63.22	0.00	47.54
1.100	43.8	5.6	66.89	0.00	50.29	0.00	58.28	0.00	43.82
1.200	29.3	4.2	55.21	0.00	41.51	0.00	48.10	0.00	36.17
1.300	19.5	2.8	43.53	0.00	32.73	0.00	37.92	0.00	28.51
1.400	9.8	1.4	33.97	0.00	25.54	0.00	29.60	0.00	22.26
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30
1.600	-9.8	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26
1.700	-19.5	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51
1.800	-29.3	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17
1.900	-39.0	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82
1.949	-43.7	-12.5	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (2-Lane)
1.400	90.9	30.6	121.5	-132.7	110.4 (1-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (2-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (1-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (2-Lane)
1.600	90.9	30.6	121.5	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: 3-3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	205.70	1.88	0.00	75.4 (2-Lane)
1.051	236.09	2.16	0.00	86.5 (1-Lane)
1.100	85.84	2.52	0.00	100.8 (2-Lane)
1.100	98.52	2.89	0.00	115.7 (1-Lane)
1.200	26.56	2.60	0.00	104.0 (2-Lane)
1.200	30.48	2.98	0.00	119.4 (1-Lane)
1.300	16.60	3.83	0.00	153.3 (2-Lane)
1.300	19.05	4.40	0.00	175.9 (1-Lane)
1.400	6.92	3.18	0.00	127.4 (2-Lane)
1.400	8.07	3.73	0.00	149.1 (1-Lane)
1.500	3.72	3.72	0.00	148.8 (2-Lane)
1.500	4.26	4.26	0.00	170.5 (1-Lane)
1.600	3.19	6.92	0.00	127.4 (2-Lane)
1.600	3.73	8.07	0.00	149.2 (1-Lane)
1.700	3.83	16.60	0.00	153.3 (2-Lane)
1.700	4.40	19.05	0.00	175.9 (1-Lane)
1.800	2.60	26.56	0.00	104.0 (2-Lane)
1.800	2.98	30.48	0.00	119.4 (1-Lane)
1.900	2.69	86.37	0.00	107.6 (2-Lane)
1.900	3.09	99.13	0.00	123.5 (1-Lane)
1.949	1.96	206.39	0.00	78.6 (2-Lane)
1.949	2.26	236.89	0.00	90.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL		(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	79.4	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 235

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	0.00	479.5 (2-Lane)
1.200	52.74	999.00	0.00	641.3 (1-Lane)
1.300	29.43	999.00	0.00	358.5 (2-Lane)
1.300	39.36	999.00	0.00	479.4 (1-Lane)
1.400	26.85	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	0.00	437.8 (1-Lane)
1.500	24.96	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	0.00	407.0 (1-Lane)

1.600	26.85	999.00	8.18	999.00	0.00	327.4	(2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.8	(1-Lane)
1.700	29.43	999.00	8.96	999.00	0.00	358.5	(2-Lane)
1.700	39.36	999.00	11.98	999.00	0.00	479.4	(1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.5	(2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.3	(1-Lane)
1.900	71.00	999.00	21.55	999.00	0.00	862.0	(2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75				1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	692.1	99.2	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.100	15.72	999.00	15.72	999.00	0.00 424.5 (2-Lane)
1.100	21.03	999.00	21.03	999.00	0.00 567.7 (1-Lane)
1.200	8.62	999.00	8.62	999.00	0.00 232.7 (2-Lane)
1.200	11.52	999.00	11.52	999.00	0.00 311.2 (1-Lane)
1.300	6.53	999.00	6.53	999.00	0.00 176.4 (2-Lane)
1.300	8.74	999.00	8.74	999.00	0.00 235.9 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00 152.0 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00 203.3 (1-Lane)
1.500	5.44	999.00	5.44	999.00	0.00 147.0 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00 196.5 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00 152.0 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00 203.3 (1-Lane)
1.700	6.53	999.00	6.53	999.00	0.00 176.4 (2-Lane)
1.700	8.74	999.00	8.74	999.00	0.00 235.9 (1-Lane)
1.800	8.62	999.00	8.62	999.00	0.00 232.7 (2-Lane)
1.800	11.52	999.00	11.52	999.00	0.00 311.2 (1-Lane)
1.900	15.64	999.00	15.64	999.00	0.00 422.3 (2-Lane)
1.900	20.92	999.00	20.92	999.00	0.00 564.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU4

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	77.46	0.00	58.24	0.00	67.49	0.00	50.74	0.00
1.100	43.8	5.6	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00
1.200	29.3	4.2	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00
1.300	19.5	2.8	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00
1.400	9.8	1.4	45.13	0.00	33.93	0.00	39.32	0.00	29.56	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49	0.00
1.600	-9.8	-1.4	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56	0.00
1.700	-19.5	-2.8	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64	0.00
1.800	-29.3	-4.2	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71	0.00
1.900	-39.0	-5.6	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79	0.00
1.949	-43.7	-12.5	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	95.3	30.6	125.9	-137.0	114.7 (2-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (1-Lane)
1.500	57.9	48.2	106.2	-106.2	106.2 (2-Lane)
1.500	58.5	48.2	106.7	-106.7	106.7 (1-Lane)
1.600	95.3	30.6	125.9	-114.7	137.0 (2-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.76	0.00	47.7 (2-Lane)
1.051	194.43	2.03	0.00	54.7 (1-Lane)
1.100	70.69	2.31	0.00	62.4 (2-Lane)
1.100	81.13	2.65	0.00	71.6 (1-Lane)
1.200	20.17	2.26	0.00	60.9 (2-Lane)
1.200	23.15	2.59	0.00	69.9 (1-Lane)
1.300	11.98	3.07	0.00	82.8 (2-Lane)
1.300	13.75	3.52	0.00	95.0 (1-Lane)
1.400	5.16	2.54	0.00	68.6 (2-Lane)
1.400	6.06	3.00	0.00	81.0 (1-Lane)
1.500	2.96	2.96	0.00	79.9 (2-Lane)
1.500	3.42	3.42	0.00	92.2 (1-Lane)
1.600	2.54	5.16	0.00	68.6 (2-Lane)
1.600	3.00	6.06	0.00	81.0 (1-Lane)
1.700	3.07	11.98	0.00	82.8 (2-Lane)
1.700	3.52	13.75	0.00	95.0 (1-Lane)
1.800	2.26	20.17	0.00	60.9 (2-Lane)
1.800	2.59	23.15	0.00	69.9 (1-Lane)
1.900	2.47	71.13	0.00	66.6 (2-Lane)
1.900	2.83	81.64	0.00	76.4 (1-Lane)
1.949	1.84	169.97	0.00	49.7 (2-Lane)
1.949	2.11	195.08	0.00	57.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	354.4	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	465.1	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	531.6	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	553.7	79.4	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	531.6	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	465.1	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	354.4	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	199.3	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4

1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00	533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00	713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	99.2	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-INV
 Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-INV
 Rating Live Load: SU5

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.17	999.00	14.17	999.00	0.00	439.2 (2-Lane)
1.100	18.95	999.00	18.95	999.00	0.00	587.3 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.200	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.300	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.300	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.400	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.400	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.500	4.99	999.00	4.99	999.00	0.00	154.7 (2-Lane)
1.500	6.67	999.00	6.67	999.00	0.00	206.8 (1-Lane)
1.600	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.600	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.700	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.700	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.800	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.900	14.09	999.00	14.09	999.00	0.00	436.9 (2-Lane)
1.900	18.85	999.00	18.85	999.00	0.00	584.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 248

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-INV
 Rating Live Load: SU5

Gamma	DC		DW		(2-Lane) LL 1.75		(1-Lane) LL 1.75	
	1.25		1.25					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	86.14	0.00	64.77	0.00	75.05	0.00
1.100	43.8	5.6	80.96	0.00	60.88	0.00	70.54	0.00
1.200	29.3	4.2	70.32	0.00	52.87	0.00	61.26	0.00
1.300	19.5	2.8	59.67	0.00	44.86	0.00	51.99	0.00
1.400	9.8	1.4	49.02	0.00	36.85	0.00	42.71	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00
1.600	-9.8	-1.4	-49.02	0.00	-36.85	0.00	-42.71	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.700	-19.5	-2.8	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09
1.800	-29.3	-4.2	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06
1.900	-39.0	-5.6	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04
1.949	-43.7	-12.5	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	96.1	30.6	126.7	-137.8	115.5 (2-Lane)
1.400	99.7	30.6	130.3	-141.5	119.2 (1-Lane)
1.500	58.8	48.2	107.0	-107.0	107.0 (2-Lane)
1.500	59.6	48.2	107.9	-107.9	107.9 (1-Lane)
1.600	96.1	30.6	126.7	-115.5	137.8 (2-Lane)
1.600	99.7	30.6	130.3	-119.2	141.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.59	0.00	49.2 (2-Lane)
1.051	194.43	1.82	0.00	56.5 (1-Lane)
1.100	70.69	2.08	0.00	64.6 (2-Lane)
1.100	81.13	2.39	0.00	74.1 (1-Lane)
1.200	20.17	2.04	0.00	63.3 (2-Lane)
1.200	23.15	2.34	0.00	72.7 (1-Lane)
1.300	11.20	2.80	0.00	86.7 (2-Lane)
1.300	12.86	3.21	0.00	99.5 (1-Lane)
1.400	4.97	2.36	0.00	73.1 (2-Lane)
1.400	5.86	2.79	0.00	86.5 (1-Lane)
1.500	2.79	2.79	0.00	86.5 (2-Lane)
1.500	3.23	3.23	0.00	100.0 (1-Lane)
1.600	2.36	4.97	0.00	73.1 (2-Lane)
1.600	2.79	5.86	0.00	86.5 (1-Lane)
1.700	2.80	11.20	0.00	86.7 (2-Lane)
1.700	3.21	12.86	0.00	99.5 (1-Lane)
1.800	2.04	20.17	0.00	63.3 (2-Lane)
1.800	2.34	23.15	0.00	72.7 (1-Lane)
1.900	2.22	71.13	0.00	68.9 (2-Lane)
1.900	2.55	81.64	0.00	79.1 (1-Lane)
1.949	1.65	169.97	0.00	51.3 (2-Lane)
1.949	1.90	195.08	0.00	58.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	79.4	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 251

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 252

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00	232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)

1.800	41.40	999.00	12.59	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 253

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	99.2	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 254

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU6

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.42	999.00	13.42	999.00	0.00	466.5 (2-Lane)
1.100	17.95	999.00	17.95	999.00	0.00	623.8 (1-Lane)
1.200	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.200	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.300	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)

1.400	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.400	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.500	4.48	999.00	4.48	999.00	0.00	155.6 (2-Lane)
1.500	5.99	999.00	5.99	999.00	0.00	208.1 (1-Lane)
1.600	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.600	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.700	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.800	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.800	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.900	13.35	999.00	13.35	999.00	0.00	464.0 (2-Lane)
1.900	17.86	999.00	17.86	999.00	0.00	620.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.25	0.00	68.61	0.00	79.51	0.00	59.78	0.00
1.100	43.8	5.6	85.45	0.00	64.25	0.00	74.45	0.00	55.98	0.00
1.200	29.3	4.2	73.51	0.00	55.27	0.00	64.05	0.00	48.16	0.00
1.300	19.5	2.8	61.58	0.00	46.30	0.00	53.65	0.00	40.34	0.00
1.400	9.8	1.4	49.64	0.00	37.32	0.00	43.25	0.00	32.52	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70	0.00
1.600	-9.8	-1.4	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52	0.00
1.700	-19.5	-2.8	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34	0.00
1.800	-29.3	-4.2	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16	0.00
1.900	-39.0	-5.6	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98	0.00
1.949	-43.7	-12.5	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	92.7	30.6	123.3	-134.4	112.2 (2-Lane)
1.400	96.7	30.6	127.3	-138.4	116.1 (1-Lane)
1.500	55.2	48.2	103.4	-103.4	103.4 (2-Lane)
1.500	56.3	48.2	104.5	-104.5	104.5 (1-Lane)
1.600	92.7	30.6	123.3	-112.2	134.5 (2-Lane)
1.600	96.7	30.6	127.3	-116.1	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.50	0.00	52.1 (2-Lane)
1.051	287.42	1.72	0.00	59.8 (1-Lane)
1.100	119.54	1.97	0.00	68.6 (2-Lane)
1.100	137.20	2.27	0.00	78.7 (1-Lane)
1.200	25.49	1.95	0.00	67.9 (2-Lane)
1.200	29.25	2.24	0.00	77.9 (1-Lane)
1.300	12.48	2.71	0.00	94.1 (2-Lane)
1.300	14.32	3.11	0.00	108.0 (1-Lane)
1.400	5.00	2.26	0.00	78.5 (2-Lane)
1.400	5.91	2.68	0.00	93.3 (1-Lane)
1.500	2.74	2.74	0.00	95.3 (2-Lane)
1.500	3.18	3.18	0.00	110.6 (1-Lane)
1.600	2.26	5.00	0.00	78.5 (2-Lane)
1.600	2.68	5.91	0.00	93.3 (1-Lane)
1.700	2.71	12.48	0.00	94.1 (2-Lane)
1.700	3.11	14.32	0.00	108.0 (1-Lane)
1.800	1.95	25.49	0.00	67.9 (2-Lane)
1.800	2.24	29.25	0.00	77.9 (1-Lane)
1.900	2.11	120.28	0.00	73.2 (2-Lane)
1.900	2.42	138.05	0.00	84.0 (1-Lane)
1.949	1.56	251.26	0.00	54.3 (2-Lane)
1.949	1.79	288.39	0.00	62.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	174.7	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00
1.200	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00
1.300	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00
1.400	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00
1.500	553.7	79.4	541.77 R	0.00	407.35	0.00	405.10 R	0.00
1.600	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00
1.700	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00
1.800	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00
1.900	199.3	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5

1.949 4.5 4.0 -4.5 -4.0 4.4 3.9 -4.7 -4.2
2.000 4.4 4.0 -4.4 -4.0 4.4 4.0 -4.4 -4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	99.2	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU7

Span Moment Resistance Available Resistance for LL+I
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	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	497.1 (2-Lane)
1.100	17.16	999.00	17.16	999.00	0.00	664.8 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.200	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.300	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.300	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.400	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.400	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.8 (2-Lane)
1.500	5.52	999.00	5.52	999.00	0.00	213.8 (1-Lane)
1.600	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.600	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.700	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.700	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.800	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.900	12.76	999.00	12.76	999.00	0.00	494.5 (2-Lane)
1.900	17.07	999.00	17.07	999.00	0.00	661.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75		(1-Lane) LL 1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	95.88	0.00	83.54	62.81
1.100	43.8	5.6	89.41	0.00	77.90	58.57
1.200	29.3	4.2	76.10	0.00	66.30	49.85
1.300	19.5	2.8	62.78	0.00	54.70	41.13
1.400	9.8	1.4	49.47	0.00	43.10	32.41
1.500	0.0	0.0	36.72	0.00	31.99	24.05
1.600	-9.8	-1.4	-49.47	0.00	-43.10	-32.41
1.700	-19.5	-2.8	-62.78	0.00	-54.70	-41.13
1.800	-29.3	-4.2	-76.10	0.00	-66.30	-49.85
1.900	-39.0	-5.6	-89.41	0.00	-77.90	-58.57
1.949	-43.7	-12.5	-95.88	0.00	-83.54	-62.81
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.2	30.6	119.8	-131.0	108.7 (2-Lane)
1.400	93.4	30.6	124.0	-135.2	112.9 (1-Lane)
1.500	52.1	48.2	100.3	-100.3	100.3 (2-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (1-Lane)
1.600	89.2	30.6	119.8	-108.7	131.0 (2-Lane)
1.600	93.4	30.6	124.0	-112.9	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-INV

Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.43	0.00	55.3 (2-Lane)
1.051	287.42	1.64	0.00	63.4 (1-Lane)
1.100	135.39	1.89	0.00	73.1 (2-Lane)
1.100	155.39	2.16	0.00	83.9 (1-Lane)
1.200	33.65	1.89	0.00	73.1 (2-Lane)
1.200	38.62	2.17	0.00	83.9 (1-Lane)
1.300	14.32	2.66	0.00	102.9 (2-Lane)
1.300	16.43	3.05	0.00	118.2 (1-Lane)
1.400	5.16	2.20	0.00	85.1 (2-Lane)
1.400	6.11	2.62	0.00	101.5 (1-Lane)
1.500	2.73	2.73	0.00	105.8 (2-Lane)
1.500	3.17	3.17	0.00	123.0 (1-Lane)
1.600	2.20	5.16	0.00	85.1 (2-Lane)
1.600	2.62	6.11	0.00	101.5 (1-Lane)
1.700	2.66	14.32	0.00	102.9 (2-Lane)
1.700	3.05	16.43	0.00	118.2 (1-Lane)
1.800	1.89	33.65	0.00	73.1 (2-Lane)
1.800	2.17	38.62	0.00	83.9 (1-Lane)
1.900	2.01	136.23	0.00	78.0 (2-Lane)
1.900	2.31	156.36	0.00	89.5 (1-Lane)
1.949	1.49	251.26	0.00	57.6 (2-Lane)
1.949	1.71	288.39	0.00	66.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-IN

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.00		1.00		LL		LL			
					0.80		0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	79.4	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 267

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load: SU7

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00
1.200	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00
1.300	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00
1.400	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00
1.500	692.1	99.2	1112.68 R	0.00	893.81	0.00	831.99 R	0.00
1.600	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00
1.700	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00
1.800	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00
1.900	249.2	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 270

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: HL93

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.5 (2-Lane)
1.100	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.200	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.300	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.400	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.400	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.500	4.77	999.00	4.77	999.00	0.00	171.7 (2-Lane)
1.500	6.38	999.00	6.38	999.00	0.00	229.6 (1-Lane)
1.600	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)

1.600	6.52	999.00	6.52	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	234.7 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.700	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.800	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	475.0 (2-Lane)
1.900	17.65	999.00	17.65	999.00	0.00	635.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.11	0.00	72.55	0.00	79.38	0.00	63.21	0.00
1.100	43.8	5.6	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	29.3	4.2	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	19.5	2.8	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	9.8	1.4	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-9.8	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-19.5	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00
1.800	-29.3	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82	0.00
1.900	-39.0	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75	0.00
1.949	-43.7	-12.5	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 273

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.0	30.6	123.6	-134.7	112.4 (2-Lane)
1.400	96.8	30.6	127.3	-138.5	116.2 (1-Lane)
1.500	55.4	48.2	103.7	-103.7	103.7 (2-Lane)
1.500	56.4	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.0	30.6	123.6	-112.4	134.7 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance
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(tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.50	0.00	54.0 (2-Lane)
1.051	133.90	1.72	0.00	62.0 (1-Lane)
1.100	62.31	1.99	0.00	71.5 (2-Lane)
1.100	71.52	2.28	0.00	82.1 (1-Lane)
1.200	18.08	1.99	0.00	71.6 (2-Lane)
1.200	20.75	2.28	0.00	82.1 (1-Lane)
1.300	11.03	2.78	0.00	100.1 (2-Lane)
1.300	12.66	3.19	0.00	114.9 (1-Lane)
1.400	4.98	2.34	0.00	84.2 (2-Lane)
1.400	5.87	2.77	0.00	99.9 (1-Lane)
1.500	2.84	2.84	0.00	102.1 (2-Lane)
1.500	3.29	3.29	0.00	118.3 (1-Lane)
1.600	2.34	4.98	0.00	84.2 (2-Lane)
1.600	2.77	5.87	0.00	99.9 (1-Lane)
1.700	2.78	11.03	0.00	100.1 (2-Lane)
1.700	3.19	12.66	0.00	114.9 (1-Lane)
1.800	1.99	18.08	0.00	71.6 (2-Lane)
1.800	2.28	20.75	0.00	82.1 (1-Lane)
1.900	2.12	60.16	0.00	76.3 (2-Lane)
1.900	2.43	69.05	0.00	87.6 (1-Lane)
1.949	1.57	114.54	0.00	56.3 (2-Lane)
1.949	1.80	131.46	0.00	64.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	99.2	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-OPER
 Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.34	999.00	16.34	999.00	326.87	588.4 (2-Lane)
1.100	21.86	999.00	21.86	999.00	437.14	786.9 (1-Lane)
1.200	9.05	999.00	9.05	999.00	180.97	325.8 (2-Lane)
1.200	12.10	999.00	12.10	999.00	242.03	435.7 (1-Lane)
1.300	6.96	999.00	6.96	999.00	139.12	250.4 (2-Lane)
1.300	9.30	999.00	9.30	999.00	186.06	334.9 (1-Lane)
1.400	6.11	999.00	6.11	999.00	122.21	220.0 (2-Lane)
1.400	8.17	999.00	8.17	999.00	163.44	294.2 (1-Lane)
1.500	6.01	999.00	6.01	999.00	120.29	216.5 (2-Lane)
1.500	8.04	999.00	8.04	999.00	160.87	289.6 (1-Lane)
1.600	6.11	999.00	6.11	999.00	122.21	220.0 (2-Lane)
1.600	8.17	999.00	8.17	999.00	163.44	294.2 (1-Lane)
1.700	6.96	999.00	6.96	999.00	139.12	250.4 (2-Lane)
1.700	9.30	999.00	9.30	999.00	186.06	334.9 (1-Lane)
1.800	9.05	999.00	9.05	999.00	180.97	325.8 (2-Lane)
1.800	12.10	999.00	12.10	999.00	242.03	435.7 (1-Lane)
1.900	16.26	999.00	16.26	999.00	325.14	585.3 (2-Lane)
1.900	21.74	999.00	21.74	999.00	434.84	782.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-OPER
 Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.82	0.00	56.26	0.00	65.19	0.00	49.01
1.100	43.8	5.6	70.18	0.00	52.77	0.00	61.15	0.00	45.98
1.200	29.3	4.2	60.64	0.00	45.60	0.00	52.84	0.00	39.73
1.300	19.5	2.8	51.10	0.00	38.42	0.00	44.52	0.00	33.48
1.400	9.8	1.4	41.56	0.00	31.25	0.00	36.21	0.00	27.23
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00	20.98
1.600	-9.8	-1.4	-41.56	0.00	-31.25	0.00	-36.21	0.00	-27.23
1.700	-19.5	-2.8	-51.10	0.00	-38.42	0.00	-44.52	0.00	-33.48
1.800	-29.3	-4.2	-60.64	0.00	-45.60	0.00	-52.84	0.00	-39.73
1.900	-39.0	-5.6	-70.18	0.00	-52.77	0.00	-61.15	0.00	-45.98
1.949	-43.7	-12.5	-74.82	0.00	-56.26	0.00	-65.19	0.00	-49.01
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
 Rating Type: I-OPER
 Rating Live Load: HS20

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)

1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.8	30.6	124.3	-135.5	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.3	116.0 (1-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (2-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (1-Lane)
1.600	93.8	30.6	124.3	-113.2	135.5 (2-Lane)
1.600	96.6	30.6	127.2	-116.0	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.83	36.55	65.8 (2-Lane)
1.051	133.90	2.10	41.95	75.5 (1-Lane)
1.100	63.07	2.40	48.05	86.5 (2-Lane)
1.100	72.39	2.76	55.14	99.3 (1-Lane)
1.200	24.82	2.37	47.35	85.2 (2-Lane)
1.200	28.49	2.72	54.35	97.8 (1-Lane)
1.300	14.10	3.26	65.28	117.5 (2-Lane)
1.300	16.19	3.75	74.93	134.9 (1-Lane)
1.400	5.77	2.72	54.47	98.0 (2-Lane)
1.400	6.76	3.20	64.07	115.3 (1-Lane)
1.500	3.23	3.23	64.68	116.4 (2-Lane)
1.500	3.72	3.72	74.38	133.9 (1-Lane)
1.600	2.72	5.77	54.47	98.0 (2-Lane)
1.600	3.20	6.76	64.08	115.3 (1-Lane)
1.700	3.26	14.10	65.28	117.5 (2-Lane)
1.700	3.75	16.19	74.93	134.9 (1-Lane)
1.800	2.37	24.82	47.35	85.2 (2-Lane)
1.800	2.72	28.49	54.35	97.8 (1-Lane)
1.900	2.56	63.46	51.27	92.3 (2-Lane)
1.900	2.94	72.84	58.84	105.9 (1-Lane)
1.949	1.90	117.05	38.10	68.6 (2-Lane)
1.949	2.19	134.35	43.73	78.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00
1.200	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00
1.300	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00
1.400	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00
1.500	692.1	99.2	660.67 R	0.00	496.74	0.00	494.00 R	0.00
1.600	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00
1.700	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00
1.800	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00
1.900	249.2	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
Rating Type: I-OPER
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
Rating Type: I-OPER
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.51	999.00	22.51	999.00	0.00	562.8 (2-Lane)
1.100	30.11	999.00	30.11	999.00	0.00	752.7 (1-Lane)
1.200	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.200	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.300	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.300	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.400	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.500	8.03	999.00	8.03	999.00	0.00	200.8 (2-Lane)
1.500	10.74	999.00	10.74	999.00	0.00	268.5 (1-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.600	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.700	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.700	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.800	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.800	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.900	22.40	999.00	22.40	999.00	0.00	559.9 (2-Lane)
1.900	29.95	999.00	29.95	999.00	0.00	748.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02
Rating Type: I-OPER
Rating Live Load: 3

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	54.17	0.00	40.73	0.00	47.20	0.00
1.100	43.8	5.6	50.95	0.00	38.31	0.00	44.39	0.00

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1.200	29.3	4.2	44.32	0.00	33.33	0.00	38.62	0.00	29.04
1.300	19.5	2.8	37.70	0.00	28.34	0.00	32.84	0.00	24.70
1.400	9.8	1.4	31.07	0.00	23.36	0.00	27.07	0.00	20.35
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01
1.600	-9.8	-1.4	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35
1.700	-19.5	-2.8	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70
1.800	-29.3	-4.2	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04
1.900	-39.0	-5.6	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38
1.949	-43.7	-12.5	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G02

Rating Type:

I-OPER

Rating Live Load:

3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.3	108.0 (2-Lane)
1.400	90.3	30.6	120.8	-132.0	109.7 (1-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.6	30.6	119.2	-108.0	130.3 (2-Lane)
1.600	90.3	30.6	120.8	-109.7	132.0 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G02

Rating Type:

I-OPER

Rating Live Load:

3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.52	0.00	63.1 (2-Lane)
1.051	252.04	2.90	0.00	72.4 (1-Lane)
1.100	91.64	3.31	0.00	82.7 (2-Lane)
1.100	105.17	3.80	0.00	95.0 (1-Lane)
1.200	28.35	3.24	0.00	81.0 (2-Lane)
1.200	32.54	3.72	0.00	92.9 (1-Lane)
1.300	17.72	4.43	0.00	110.6 (2-Lane)
1.300	20.34	5.08	0.00	127.0 (1-Lane)
1.400	7.31	3.48	0.00	86.9 (2-Lane)
1.400	8.50	4.05	0.00	101.3 (1-Lane)
1.500	4.03	4.03	0.00	100.6 (2-Lane)
1.500	4.59	4.59	0.00	114.8 (1-Lane)
1.600	3.48	7.31	0.00	86.9 (2-Lane)
1.600	4.05	8.50	0.00	101.3 (1-Lane)
1.700	4.43	17.72	0.00	110.6 (2-Lane)
1.700	5.08	20.34	0.00	127.0 (1-Lane)
1.800	3.24	28.35	0.00	81.0 (2-Lane)
1.800	3.72	32.54	0.00	92.9 (1-Lane)
1.900	3.53	92.21	0.00	88.3 (2-Lane)
1.900	4.05	105.83	0.00	101.3 (1-Lane)
1.949	2.63	220.33	0.00	65.8 (2-Lane)
1.949	3.02	252.89	0.00	75.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	306.26 R	0.00	230.27	0.00
1.200	443.0	63.5	504.52 R	0.00	379.34	0.00
1.300	581.4	83.3	660.40 R	0.00	496.54	0.00
1.400	664.5	95.2	731.11 R	0.00	549.71	0.00
1.500	692.1	99.2	717.59 R	0.00	539.54	0.00
1.600	664.5	95.2	731.11 R	0.00	549.71	0.00
1.700	581.4	83.3	660.40 R	0.00	496.54	0.00
1.800	443.0	63.5	504.52 R	0.00	379.34	0.00
1.900	249.2	35.7	306.26 R	0.00	230.27	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment Resistance		Bending Top	Bending Bott.	Available Resistance for LL+I			
	Positive Top	Negative Bott.			Positive Top	Negative Bott.	Positive Top	Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom +bend		
1.000	999.00	999.00		999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00		999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00		999.00	0.00	999.0 (1-Lane)
1.100	19.08	999.00		19.08	0.00	763.1 (2-Lane)
1.100	25.51	999.00		25.51	0.00	999.0 (1-Lane)
1.200	11.08	999.00		11.08	0.00	443.2 (2-Lane)
1.200	14.82	999.00		14.82	0.00	592.8 (1-Lane)
1.300	8.23	999.00		8.23	0.00	329.0 (2-Lane)
1.300	11.00	999.00		11.00	0.00	440.0 (1-Lane)
1.400	7.30	999.00		7.30	0.00	292.0 (2-Lane)
1.400	9.76	999.00		9.76	0.00	390.5 (1-Lane)
1.500	7.39	999.00		7.39	0.00	295.7 (2-Lane)
1.500	9.89	999.00		9.89	0.00	395.5 (1-Lane)
1.600	7.30	999.00		7.30	0.00	292.0 (2-Lane)
1.600	9.76	999.00		9.76	0.00	390.5 (1-Lane)
1.700	8.23	999.00		8.23	0.00	329.0 (2-Lane)
1.700	11.00	999.00		11.00	0.00	440.0 (1-Lane)

1.800	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.800	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.900	18.98	999.00	18.98	999.00	0.00	759.1 (2-Lane)
1.900	25.38	999.00	25.38	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	43.8	5.6	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	29.3	4.2	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	19.5	2.8	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	9.8	1.4	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-9.8	-1.4	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-19.5	-2.8	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-29.3	-4.2	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-39.0	-5.6	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-43.7	-12.5	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	83.9	30.6	114.5	-125.7	103.4 (2-Lane)
1.400	86.1	30.6	116.6	-127.8	105.5 (1-Lane)
1.500	45.0	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.7	48.2	92.9	-92.9	92.9 (1-Lane)
1.600	83.9	30.6	114.5	-103.4	125.7 (2-Lane)
1.600	86.1	30.6	116.6	-105.5	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	219.59	2.63	0.00	105.1 (2-Lane)
1.051	252.04	3.02	0.00	120.6 (1-Lane)
1.100	91.64	2.80	0.00	112.2 (2-Lane)
1.100	105.17	3.22	0.00	128.7 (1-Lane)
1.200	28.35	2.90	0.00	116.0 (2-Lane)
1.200	32.54	3.33	0.00	133.1 (1-Lane)
1.300	17.72	4.25	0.00	169.9 (2-Lane)
1.300	20.34	4.88	0.00	195.0 (1-Lane)
1.400	7.65	3.39	0.00	135.5 (2-Lane)
1.400	8.92	3.97	0.00	158.8 (1-Lane)
1.500	4.26	4.26	0.00	170.3 (2-Lane)
1.500	4.87	4.87	0.00	194.8 (1-Lane)
1.600	3.39	7.65	0.00	135.5 (2-Lane)
1.600	3.97	8.92	0.00	158.8 (1-Lane)
1.700	4.25	17.72	0.00	169.9 (2-Lane)
1.700	4.88	20.34	0.00	195.0 (1-Lane)
1.800	2.90	28.35	0.00	116.0 (2-Lane)
1.800	3.33	32.54	0.00	133.1 (1-Lane)
1.900	2.99	92.21	0.00	119.7 (2-Lane)
1.900	3.43	105.83	0.00	137.4 (1-Lane)
1.949	2.18	220.33	0.00	87.3 (2-Lane)
1.949	2.51	252.89	0.00	100.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	692.1	99.2	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	249.2	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	889.2 (2-Lane)
1.100	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.200	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.300	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.300	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.400	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.400	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	350.5 (2-Lane)
1.500	11.72	999.00	11.72	999.00	0.00	468.8 (1-Lane)
1.600	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.600	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.700	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.700	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.800	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	884.5 (2-Lane)
1.900	29.57	999.00	29.57	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	55.98	0.00	42.09	0.00	48.77	0.00	36.67
1.100	43.8	5.6	51.60	0.00	38.80	0.00	44.96	0.00	33.80
1.200	29.3	4.2	42.59	0.00	32.02	0.00	37.11	0.00	27.90
1.300	19.5	2.8	33.58	0.00	25.25	0.00	29.26	0.00	22.00
1.400	9.8	1.4	26.21	0.00	19.71	0.00	22.83	0.00	17.17
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35
1.600	-9.8	-1.4	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17
1.700	-19.5	-2.8	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00
1.800	-29.3	-4.2	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90
1.900	-39.0	-5.6	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80
1.949	-43.7	-12.5	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3-3

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	84.2	30.6	114.8	-126.0	103.7 (2-Lane)

1.400	85.5	30.6	116.1	-127.2	104.9 (1-Lane)
1.500	45.2	48.2	93.4	-93.4	93.4 (2-Lane)
1.500	44.5	48.2	92.7	-92.7	92.7 (1-Lane)
1.600	84.2	30.6	114.8	-103.7	126.0 (2-Lane)
1.600	85.5	30.6	116.1	-104.9	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	266.65	2.44	0.00	97.7 (2-Lane)
1.051	306.05	2.80	0.00	112.1 (1-Lane)
1.100	111.27	3.27	0.00	130.7 (2-Lane)
1.100	127.71	3.75	0.00	150.0 (1-Lane)
1.200	34.43	3.37	0.00	134.8 (2-Lane)
1.200	39.51	3.87	0.00	154.8 (1-Lane)
1.300	21.52	4.97	0.00	198.7 (2-Lane)
1.300	24.70	5.70	0.00	228.1 (1-Lane)
1.400	8.66	3.95	0.00	158.2 (2-Lane)
1.400	10.04	4.60	0.00	183.8 (1-Lane)
1.500	4.58	4.58	0.00	183.3 (2-Lane)
1.500	5.22	5.22	0.00	208.8 (1-Lane)
1.600	3.96	8.66	0.00	158.2 (2-Lane)
1.600	4.60	10.04	0.00	183.8 (1-Lane)
1.700	4.97	21.52	0.00	198.7 (2-Lane)
1.700	5.70	24.70	0.00	228.1 (1-Lane)
1.800	3.37	34.43	0.00	134.8 (2-Lane)
1.800	3.87	39.51	0.00	154.8 (1-Lane)
1.900	3.49	111.96	0.00	139.5 (2-Lane)
1.900	4.00	128.51	0.00	160.1 (1-Lane)
1.949	2.55	267.55	0.00	101.9 (2-Lane)
1.949	2.92	307.08	0.00	116.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.35		1.35		1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	99.2	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 305

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.38	999.00	20.38	999.00	0.00	550.3 (2-Lane)
1.100	27.26	999.00	27.26	999.00	0.00	736.0 (1-Lane)
1.200	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.200	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.300	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.500	7.06	999.00	7.06	999.00	0.00	190.5 (2-Lane)
1.500	9.44	999.00	9.44	999.00	0.00	254.8 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.700	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.800	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.800	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.900	20.27	999.00	20.27	999.00	0.00	547.4 (2-Lane)
1.900	27.11	999.00	27.11	999.00	0.00	732.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU4

Span	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
Gamma	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	59.76	0.00	44.93	0.00
1.100	43.8	5.6	56.28	0.00	42.31	0.00
1.200	29.3	4.2	49.12	0.00	36.93	0.00
1.300	19.5	2.8	41.97	0.00	31.55	0.00
1.400	9.8	1.4	34.81	0.00	26.17	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.600	-9.8	-1.4	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81
1.700	-19.5	-2.8	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49
1.800	-29.3	-4.2	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18
1.900	-39.0	-5.6	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87
1.949	-43.7	-12.5	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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REPORT

Structure I. D.

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Member I. D.

G02

Rating Type:

I-OPER

Rating Live Load:

SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	90.5	30.6	121.1	-132.2	109.9 (2-Lane)
1.400	92.6	30.6	123.1	-134.3	112.0 (1-Lane)
1.500	52.6	48.2	100.8	-100.8	100.8 (2-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (1-Lane)
1.600	90.5	30.6	121.1	-109.9	132.2 (2-Lane)
1.600	92.6	30.6	123.1	-112.0	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH

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REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G02

Rating Type:

I-OPER

Rating Live Load:

SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.29	0.00	61.8 (2-Lane)
1.051	252.04	2.63	0.00	70.9 (1-Lane)
1.100	91.64	3.00	0.00	80.9 (2-Lane)
1.100	105.17	3.44	0.00	92.8 (1-Lane)
1.200	26.14	2.92	0.00	78.9 (2-Lane)
1.200	30.01	3.36	0.00	90.6 (1-Lane)
1.300	15.53	3.97	0.00	107.3 (2-Lane)
1.300	17.82	4.56	0.00	123.2 (1-Lane)
1.400	6.45	3.16	0.00	85.2 (2-Lane)
1.400	7.52	3.69	0.00	99.7 (1-Lane)
1.500	3.65	3.65	0.00	98.4 (2-Lane)
1.500	4.17	4.17	0.00	112.7 (1-Lane)
1.600	3.16	6.45	0.00	85.2 (2-Lane)
1.600	3.69	7.52	0.00	99.7 (1-Lane)
1.700	3.97	15.53	0.00	107.3 (2-Lane)
1.700	4.56	17.82	0.00	123.2 (1-Lane)
1.800	2.92	26.14	0.00	78.9 (2-Lane)
1.800	3.36	30.01	0.00	90.6 (1-Lane)
1.900	3.20	92.21	0.00	86.3 (2-Lane)
1.900	3.67	105.83	0.00	99.1 (1-Lane)
1.949	2.38	220.33	0.00	64.4 (2-Lane)
1.949	2.74	252.89	0.00	73.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	99.2	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU5

Moment						Rating Value	Load Resistance (tons)
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend			
1.000	999.00	999.00	999.00	999.00		0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00		0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00		0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00		0.00	999.0 (1-Lane)
1.100	18.36	999.00	18.36	999.00		0.00	569.3 (2-Lane)
1.100	24.56	999.00	24.56	999.00		0.00	761.4 (1-Lane)
1.200	10.12	999.00	10.12	999.00		0.00	313.6 (2-Lane)
1.200	13.53	999.00	13.53	999.00		0.00	419.4 (1-Lane)
1.300	7.64	999.00	7.64	999.00		0.00	236.9 (2-Lane)
1.300	10.22	999.00	10.22	999.00		0.00	316.8 (1-Lane)
1.400	6.61	999.00	6.61	999.00		0.00	204.9 (2-Lane)
1.400	8.84	999.00	8.84	999.00		0.00	274.0 (1-Lane)
1.500	6.47	999.00	6.47	999.00		0.00	200.5 (2-Lane)
1.500	8.65	999.00	8.65	999.00		0.00	268.1 (1-Lane)
1.600	6.61	999.00	6.61	999.00		0.00	204.9 (2-Lane)
1.600	8.84	999.00	8.84	999.00		0.00	274.0 (1-Lane)
1.700	7.64	999.00	7.64	999.00		0.00	236.9 (2-Lane)
1.700	10.22	999.00	10.22	999.00		0.00	316.8 (1-Lane)
1.800	10.12	999.00	10.12	999.00		0.00	313.6 (2-Lane)
1.800	13.53	999.00	13.53	999.00		0.00	419.4 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
1.900 18.27 999.00 18.27 999.00 0.00 566.3 (2-Lane)
1.900 24.43 999.00 24.43 999.00 0.00 757.4 (1-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU5

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.35 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	5.6	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.2	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	2.8	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.4	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.4	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-2.8	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.2	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-5.6	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-12.5	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU5

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.4	30.6	122.0	-133.1	110.8 (2-Lane)
1.400	93.9	30.6	124.5	-135.6	113.3 (1-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (2-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (1-Lane)
1.600	91.4	30.6	122.0	-110.8	133.1 (2-Lane)
1.600	93.9	30.6	124.5	-113.3	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.06	0.00	63.8 (2-Lane)
1.051	252.04	2.36	0.00	73.2 (1-Lane)

1.100	91.64	2.70	0.00	83.7 (2-Lane)
1.100	105.17	3.10	0.00	96.0 (1-Lane)
1.200	26.14	2.65	0.00	82.1 (2-Lane)
1.200	30.01	3.04	0.00	94.2 (1-Lane)
1.300	14.52	3.62	0.00	112.3 (2-Lane)
1.300	16.67	4.16	0.00	128.9 (1-Lane)
1.400	6.23	2.93	0.00	90.9 (2-Lane)
1.400	7.28	3.44	0.00	106.6 (1-Lane)
1.500	3.44	3.44	0.00	106.7 (2-Lane)
1.500	3.95	3.95	0.00	122.4 (1-Lane)
1.600	2.93	6.23	0.00	90.9 (2-Lane)
1.600	3.44	7.28	0.00	106.6 (1-Lane)
1.700	3.62	14.52	0.00	112.3 (2-Lane)
1.700	4.16	16.67	0.00	128.9 (1-Lane)
1.800	2.65	26.14	0.00	82.1 (2-Lane)
1.800	3.04	30.01	0.00	94.2 (1-Lane)
1.900	2.88	92.21	0.00	89.3 (2-Lane)
1.900	3.31	105.83	0.00	102.5 (1-Lane)
1.949	2.14	220.33	0.00	66.5 (2-Lane)
1.949	2.46	252.89	0.00	76.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00
1.200	443.0	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.300	581.4	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.400	664.5	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.500	692.1	99.2	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00
1.600	664.5	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.700	581.4	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.800	443.0	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.900	249.2	35.7	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.40	999.00	17.40	999.00	0.00	604.7 (2-Lane)
1.100	23.27	999.00	23.27	999.00	0.00	808.7 (1-Lane)
1.200	9.23	999.00	9.23	999.00	0.00	320.7 (2-Lane)
1.200	12.34	999.00	12.34	999.00	0.00	428.9 (1-Lane)
1.300	6.90	999.00	6.90	999.00	0.00	239.9 (2-Lane)
1.300	9.23	999.00	9.23	999.00	0.00	320.8 (1-Lane)
1.400	6.01	999.00	6.01	999.00	0.00	208.9 (2-Lane)
1.400	8.04	999.00	8.04	999.00	0.00	279.4 (1-Lane)
1.500	5.80	999.00	5.80	999.00	0.00	201.7 (2-Lane)
1.500	7.76	999.00	7.76	999.00	0.00	269.7 (1-Lane)
1.600	6.01	999.00	6.01	999.00	0.00	208.9 (2-Lane)
1.600	8.04	999.00	8.04	999.00	0.00	279.4 (1-Lane)
1.700	6.90	999.00	6.90	999.00	0.00	239.9 (2-Lane)
1.700	9.23	999.00	9.23	999.00	0.00	320.8 (1-Lane)
1.800	9.23	999.00	9.23	999.00	0.00	320.7 (2-Lane)
1.800	12.34	999.00	12.34	999.00	0.00	428.9 (1-Lane)
1.900	17.31	999.00	17.31	999.00	0.00	601.5 (2-Lane)
1.900	23.15	999.00	23.15	999.00	0.00	804.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.40	0.00	52.93	0.00	61.33	0.00	46.12	0.00
1.100	43.8	5.6	65.92	0.00	49.56	0.00	57.43	0.00	43.18	0.00
1.200	29.3	4.2	56.71	0.00	42.64	0.00	49.41	0.00	37.15	0.00
1.300	19.5	2.8	47.50	0.00	35.71	0.00	41.39	0.00	31.12	0.00
1.400	9.8	1.4	38.29	0.00	28.79	0.00	33.36	0.00	25.08	0.00
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05	0.00
1.600	-9.8	-1.4	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08	0.00
1.700	-19.5	-2.8	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12	0.00
1.800	-29.3	-4.2	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15	0.00
1.900	-39.0	-5.6	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18	0.00
1.949	-43.7	-12.5	-70.40	0.00	-52.93	0.00	-61.33	0.00	-46.12	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.4	108.1 (2-Lane)
1.400	91.5	30.6	122.1	-133.2	110.9 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	50.9	48.2	99.2	-99.2	99.2 (1-Lane)
1.600	88.6	30.6	119.2	-108.1	130.4 (2-Lane)

1.600	91.5	30.6	122.1	-110.9	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.94	0.00	67.5 (2-Lane)
1.051	372.58	2.23	0.00	77.5 (1-Lane)
1.100	154.95	2.56	0.00	88.9 (2-Lane)
1.100	177.85	2.94	0.00	102.0 (1-Lane)
1.200	33.04	2.53	0.00	88.0 (2-Lane)
1.200	37.92	2.91	0.00	101.0 (1-Lane)
1.300	16.18	3.51	0.00	122.0 (2-Lane)
1.300	18.57	4.03	0.00	140.1 (1-Lane)
1.400	6.28	2.82	0.00	98.1 (2-Lane)
1.400	7.37	3.32	0.00	115.5 (1-Lane)
1.500	3.40	3.40	0.00	118.2 (2-Lane)
1.500	3.91	3.91	0.00	136.0 (1-Lane)
1.600	2.82	6.28	0.00	98.1 (2-Lane)
1.600	3.32	7.37	0.00	115.5 (1-Lane)
1.700	3.51	16.18	0.00	122.0 (2-Lane)
1.700	4.03	18.57	0.00	140.1 (1-Lane)
1.800	2.53	33.04	0.00	88.0 (2-Lane)
1.800	2.91	37.92	0.00	101.0 (1-Lane)
1.900	2.73	155.92	0.00	94.8 (2-Lane)
1.900	3.13	178.95	0.00	108.9 (1-Lane)
1.949	2.03	325.71	0.00	70.4 (2-Lane)
1.949	2.32	373.83	0.00	80.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	LL	1.25	LL	1.25	LL	1.35	LL	1.35		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.200	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.300	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.400	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.500	692.1	99.2	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00
1.600	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.700	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.800	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.900	249.2	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.63	999.00	16.63	999.00	0.00	644.4 (2-Lane)
1.100	22.24	999.00	22.24	999.00	0.00	861.8 (1-Lane)
1.200	8.82	999.00	8.82	999.00	0.00	341.8 (2-Lane)
1.200	11.80	999.00	11.80	999.00	0.00	457.2 (1-Lane)
1.300	6.41	999.00	6.41	999.00	0.00	248.5 (2-Lane)
1.300	8.58	999.00	8.58	999.00	0.00	332.3 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	215.8 (2-Lane)
1.400	7.45	999.00	7.45	999.00	0.00	288.6 (1-Lane)
1.500	5.35	999.00	5.35	999.00	0.00	207.2 (2-Lane)
1.500	7.15	999.00	7.15	999.00	0.00	277.1 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	215.8 (2-Lane)
1.600	7.45	999.00	7.45	999.00	0.00	288.6 (1-Lane)
1.700	6.41	999.00	6.41	999.00	0.00	248.5 (2-Lane)
1.700	8.58	999.00	8.58	999.00	0.00	332.3 (1-Lane)
1.800	8.82	999.00	8.82	999.00	0.00	341.8 (2-Lane)
1.800	11.80	999.00	11.80	999.00	0.00	457.2 (1-Lane)
1.900	16.54	999.00	16.54	999.00	0.00	641.0 (2-Lane)
1.900	22.12	999.00	22.12	999.00	0.00	857.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER
Rating Live Load: SU7

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	(2-Lane)		(1-Lane)	
					LL 1.35		LL 1.35	
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	73.96	0.00	55.61	0.00	64.44	0.00
1.100	43.8	5.6	68.97	0.00	51.86	0.00	60.09	0.00
1.200	29.3	4.2	58.70	0.00	44.14	0.00	51.15	0.00
1.300	19.5	2.8	48.43	0.00	36.42	0.00	42.20	0.00
1.400	9.8	1.4	38.16	0.00	28.70	0.00	33.25	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00
1.600	-9.8	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00
1.700	-19.5	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00
1.800	-29.3	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00
1.900	-39.0	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00

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1.949	-43.7	-12.5	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 329

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU7

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	-254.3	136.7	(2-Lane)
1.051	65.6	129.9	-254.3	136.7	(1-Lane)
1.100	74.9	143.2	-267.4	168.6	(2-Lane)
1.100	74.9	143.2	-267.4	168.6	(1-Lane)
1.200	94.4	82.6	-210.5	143.6	(2-Lane)
1.200	94.4	82.6	-210.5	143.6	(1-Lane)
1.300	106.5	82.6	-211.4	166.8	(2-Lane)
1.300	106.5	82.6	-211.4	166.8	(1-Lane)
1.400	85.7	30.6	-127.4	105.1	(2-Lane)
1.400	88.8	30.6	-130.5	108.2	(1-Lane)
1.500	48.0	48.2	-96.3	96.3	(2-Lane)
1.500	48.5	48.2	-96.8	96.8	(1-Lane)
1.600	85.7	30.6	-105.1	127.4	(2-Lane)
1.600	88.8	30.6	-108.2	130.5	(1-Lane)
1.700	106.5	82.6	-166.8	211.4	(2-Lane)
1.700	106.5	82.6	-166.8	211.4	(1-Lane)
1.800	94.4	82.6	-143.6	210.5	(2-Lane)
1.800	94.4	82.6	-143.6	210.5	(1-Lane)
1.900	77.5	147.0	-179.9	269.1	(2-Lane)
1.900	77.5	147.0	-179.9	269.1	(1-Lane)
1.949	67.0	131.9	-142.5	255.1	(2-Lane)
1.949	67.0	131.9	-142.5	255.1	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-OPER

Rating Live Load: SU7

Span	Rating	Factor	Rating	Load	
	(-)	(+)	Value	Resistance	
				(tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	324.62	1.85	0.00	71.6	(2-Lane)
1.051	372.58	2.12	0.00	82.2	(1-Lane)
1.100	175.50	2.44	0.00	94.7	(2-Lane)
1.100	201.43	2.81	0.00	108.7	(1-Lane)
1.200	43.62	2.45	0.00	94.8	(2-Lane)
1.200	50.06	2.81	0.00	108.8	(1-Lane)
1.300	18.56	3.44	0.00	133.5	(2-Lane)
1.300	21.30	3.95	0.00	153.2	(1-Lane)
1.400	6.51	2.75	0.00	106.7	(2-Lane)
1.400	7.65	3.25	0.00	126.1	(1-Lane)
1.500	3.40	3.40	0.00	131.7	(2-Lane)
1.500	3.92	3.92	0.00	151.9	(1-Lane)
1.600	2.75	6.51	0.00	106.7	(2-Lane)
1.600	3.25	7.65	0.00	126.1	(1-Lane)
1.700	3.44	18.56	0.00	133.5	(2-Lane)
1.700	3.95	21.30	0.00	153.2	(1-Lane)
1.800	2.45	43.62	0.00	94.8	(2-Lane)
1.800	2.81	50.06	0.00	108.8	(1-Lane)
1.900	2.61	176.60	0.00	101.1	(2-Lane)
1.900	2.99	202.69	0.00	116.0	(1-Lane)
1.949	1.93	325.71	0.00	74.7	(2-Lane)
1.949	2.21	373.83	0.00	85.7	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G02								
Rating Type:		I-LEGL								
Rating Live Load:		3								
		(2-Lane)				(1-Lane)				
Gamma	DC	DW	LL		LL		LL			
	1.25	1.25	1.80		1.80		1.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	218.4	35.7	346.03 R		260.17	258.74 R			194.54	
1.200	443.0	63.5	602.06 R		452.67	450.18 R			338.48	
1.300	581.4	83.3	768.09 R		577.51	574.33 R			431.83	
1.400	664.5	95.2	863.15 R		648.98	645.41 R			485.27	
1.500	692.1	99.2	880.89 R		662.32	658.67 R			495.24	
1.600	664.5	95.2	863.15 R		648.98	645.41 R			485.27	
1.700	581.4	83.3	768.09 R		577.51	574.33 R			431.83	
1.800	443.0	63.5	602.06 R		452.67	450.18 R			338.48	
1.900	249.2	35.7	346.03 R		260.17	258.74 R			194.54	
1.949	128.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G02							
Rating Type:		I-LEGL							
Rating Live Load:		3							
Span	Moment Resistance				Available Resistance for LL+I				
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1	
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G02				
Rating Type:		I-LEGL				
Rating Live Load:		3				
Moment						
Span	Rating Factor		Moment		Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.89	999.00	16.89	999.00	0.00	422.1 (2-Lane)
1.100	22.58	999.00	22.58	999.00	0.00	564.6 (1-Lane)
1.200	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)
1.200	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.300	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.300	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.400	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.400	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	150.6 (2-Lane)
1.500	8.06	999.00	8.06	999.00	0.00	201.4 (1-Lane)
1.600	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.600	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.700	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.700	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.800	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)
1.800	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.900	16.80	999.00	16.80	999.00	0.00	419.9 (2-Lane)
1.900	22.46	999.00	22.46	999.00	0.00	561.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.80 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.22	54.30	62.93	47.31
1.100	43.8	5.6	67.93	51.08	59.19	44.50
1.200	29.3	4.2	59.10	44.43	51.49	38.71
1.300	19.5	2.8	50.26	37.79	43.79	32.93
1.400	9.8	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-5.6	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-12.5	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.0	30.6	124.6	-135.8	113.5 (2-Lane)
1.400	96.8	30.6	127.4	-138.5	116.2 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	94.0	30.6	124.6	-113.5	135.8 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.89	0.00	47.3 (2-Lane)
1.051	189.03	2.17	0.00	54.3 (1-Lane)
1.100	68.73	2.48	0.00	62.0 (2-Lane)
1.100	78.88	2.85	0.00	71.2 (1-Lane)
1.200	21.26	2.43	0.00	60.7 (2-Lane)

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1.200	24.40	2.79	0.00	69.7 (1-Lane)
1.300	13.29	3.32	0.00	83.0 (2-Lane)
1.300	15.26	3.81	0.00	95.2 (1-Lane)
1.400	5.71	2.74	0.00	68.5 (2-Lane)
1.400	6.69	3.22	0.00	80.5 (1-Lane)
1.500	3.20	3.20	0.00	80.0 (2-Lane)
1.500	3.68	3.68	0.00	92.0 (1-Lane)
1.600	2.74	5.71	0.00	68.5 (2-Lane)
1.600	3.22	6.69	0.00	80.5 (1-Lane)
1.700	3.32	13.29	0.00	83.0 (2-Lane)
1.700	3.81	15.26	0.00	95.2 (1-Lane)
1.800	2.43	21.26	0.00	60.7 (2-Lane)
1.800	2.79	24.40	0.00	69.7 (1-Lane)
1.900	2.65	69.15	0.00	66.2 (2-Lane)
1.900	3.04	79.37	0.00	76.0 (1-Lane)
1.949	1.97	165.25	0.00	49.3 (2-Lane)
1.949	2.27	189.66	0.00	56.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	153.79 R	115.63	114.99 R	86.46
1.200	443.0	63.5	267.58 R	201.19	200.08 R	150.44
1.300	581.4	83.3	341.37 R	256.67	255.26 R	191.92
1.400	664.5	95.2	383.62 R	288.44	286.85 R	215.67
1.500	692.1	99.2	391.51 R	294.36	292.74 R	220.11
1.600	664.5	95.2	383.62 R	288.44	286.85 R	215.67
1.700	581.4	83.3	341.37 R	256.67	255.26 R	191.92
1.800	443.0	63.5	267.58 R	201.19	200.08 R	150.44
1.900	249.2	35.7	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL S

Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.500	22.87	999.00	6.97	999.00	0.00	174.3 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.1 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.900	71.91	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.17	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	408.35 R	307.03	305.33 R	229.57		
1.200	443.0	63.5	672.70 R	505.79	503.00 R	378.19		
1.300	581.4	83.3	880.54 R	662.06	658.41 R	495.04		
1.400	664.5	95.2	974.81 R	732.94	728.90 R	548.05		
1.500	692.1	99.2	956.79 R	719.39	715.43 R	537.91		
1.600	664.5	95.2	974.81 R	732.94	728.90 R	548.05		
1.700	581.4	83.3	880.54 R	662.06	658.41 R	495.04		
1.800	443.0	63.5	672.70 R	505.79	503.00 R	378.19		
1.900	249.2	35.7	408.35 R	307.03	305.33 R	229.57		
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.31	999.00	14.31	999.00	0.00	572.3 (2-Lane)
1.100	19.14	999.00	19.14	999.00	0.00	765.4 (1-Lane)
1.200	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.200	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.300	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.300	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	219.0 (2-Lane)
1.400	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.500	5.55	999.00	5.55	999.00	0.00	221.8 (2-Lane)
1.500	7.42	999.00	7.42	999.00	0.00	296.6 (1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	219.0 (2-Lane)
1.600	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.700	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.700	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.800	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.800	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.900	14.23	999.00	14.23	999.00	0.00	569.3 (2-Lane)
1.900	19.03	999.00	19.03	999.00	0.00	761.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	69.38	52.16	60.45	45.45
1.100	43.8	5.6	80.16	60.27	69.85	52.52
1.200	29.3	4.2	66.03	49.65	57.53	43.26
1.300	19.5	2.8	52.36	39.37	45.62	34.30
1.400	9.8	1.4	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-9.8	-1.4	-40.67	-30.58	-35.43	-26.64
1.700	-19.5	-2.8	-52.36	-39.37	-45.62	-34.30
1.800	-29.3	-4.2	-66.03	-49.65	-57.53	-43.26
1.900	-39.0	-5.6	-80.16	-60.27	-69.85	-52.52
1.949	-43.7	-12.5	-87.03	-65.44	-75.83	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3S2

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.3	30.6	118.9	-130.0	107.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (1-Lane)
1.600	88.3	30.6	118.9	-107.7	130.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.97	0.00	78.8 (2-Lane)
1.051	189.03	2.26	0.00	90.5 (1-Lane)
1.100	68.73	2.10	0.00	84.1 (2-Lane)
1.100	78.88	2.41	0.00	96.6 (1-Lane)
1.200	21.26	2.17	0.00	87.0 (2-Lane)
1.200	24.40	2.50	0.00	99.8 (1-Lane)
1.300	13.29	3.19	0.00	127.4 (2-Lane)
1.300	15.26	3.66	0.00	146.2 (1-Lane)
1.400	5.93	2.65	0.00	106.0 (2-Lane)
1.400	6.98	3.13	0.00	125.3 (1-Lane)
1.500	3.36	3.36	0.00	134.5 (2-Lane)
1.500	3.87	3.87	0.00	155.0 (1-Lane)
1.600	2.65	5.93	0.00	106.0 (2-Lane)
1.600	3.13	6.98	0.00	125.3 (1-Lane)
1.700	3.19	13.29	0.00	127.4 (2-Lane)
1.700	3.66	15.26	0.00	146.2 (1-Lane)
1.800	2.17	21.26	0.00	87.0 (2-Lane)
1.800	2.50	24.40	0.00	99.8 (1-Lane)
1.900	2.24	69.15	0.00	89.8 (2-Lane)
1.900	2.58	79.37	0.00	103.0 (1-Lane)
1.949	1.64	165.25	0.00	65.5 (2-Lane)
1.949	1.88	189.66	0.00	75.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL	LL
			0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	181.49 R	136.46	135.70 R	102.03	168.09	102.03
1.200	443.0	63.5	298.98 R	224.79	223.56 R	168.09	220.02	168.09
1.300	581.4	83.3	391.35 R	294.25	292.63 R	220.02	243.58	220.02
1.400	664.5	95.2	433.25 R	325.75	323.96 R	243.58	239.07	243.58
1.500	692.1	99.2	425.24 R	319.73	317.97 R	243.58	220.02	243.58
1.600	664.5	95.2	433.25 R	325.75	323.96 R	220.02	168.09	220.02
1.700	581.4	83.3	391.35 R	294.25	292.63 R	168.09	102.03	168.09
1.800	443.0	63.5	298.98 R	224.79	223.55 R	102.03	0.00	102.03
1.900	249.2	35.7	181.49 R	136.46	135.70 R	0.00	0.00	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D.	9999999_20120831cy17_01of01							
Member I. D.	G02							
Rating Type:	III-LGL							
Rating Live Load:	STRESSES							
Rating Type:	3S2							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D.	9999999_20120831cy17_01of01					
Member I. D.	G02					
Rating Type:	III-LGL S					
Rating Live Load:	3S2					
Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.300	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8 (2-Lane)
1.500	28.16	999.00	8.59	999.00	0.00	343.4 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.700	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.900	60.94	999.00	18.49	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.73	999.00	0.00	989.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D.	9999999_20120831cy17_01of01					
Member I. D.	G02					
Rating Type:	I-LEGL					
Rating Live Load:	3-3					
Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.80		1.80	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	350.45 R	263.50	262.05 R	197.03
1.200	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.300	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.400	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.500	692.1	99.2	807.25 R	606.96	603.61 R	453.84
1.600	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.700	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.800	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.900	249.2	35.7	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: 3-3

Moment					
Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.67	999.00	16.67	999.00	666.9 (2-Lane)
1.100	22.30	999.00	22.30	999.00	891.9 (1-Lane)
1.200	9.66	999.00	9.66	999.00	386.5 (2-Lane)
1.200	12.92	999.00	12.92	999.00	516.9 (1-Lane)
1.300	7.49	999.00	7.49	999.00	299.8 (2-Lane)
1.300	10.02	999.00	10.02	999.00	401.0 (1-Lane)
1.400	7.01	999.00	7.01	999.00	280.4 (2-Lane)
1.400	9.38	999.00	9.38	999.00	375.0 (1-Lane)
1.500	6.57	999.00	6.57	999.00	262.9 (2-Lane)
1.500	8.79	999.00	8.79	999.00	351.6 (1-Lane)
1.600	7.01	999.00	7.01	999.00	280.4 (2-Lane)
1.600	9.38	999.00	9.38	999.00	375.0 (1-Lane)
1.700	7.49	999.00	7.49	999.00	299.8 (2-Lane)
1.700	10.02	999.00	10.02	999.00	401.0 (1-Lane)
1.800	9.66	999.00	9.66	999.00	386.5 (2-Lane)
1.800	12.92	999.00	12.92	999.00	516.9 (1-Lane)
1.900	16.58	999.00	16.58	999.00	663.4 (2-Lane)
1.900	22.18	999.00	22.18	999.00	887.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.64	56.12	65.03	48.90
1.100	43.8	5.6	68.80	51.73	59.94	45.07
1.200	29.3	4.2	56.79	42.70	49.48	37.20
1.300	19.5	2.8	44.77	33.66	39.01	29.33
1.400	9.8	1.4	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.4	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-2.8	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.2	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-5.6	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-12.5	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3-3

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.3	30.6	119.9	-131.0	108.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	50.5	48.2	98.8	-98.8	98.8 (2-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (1-Lane)
1.600	89.3	30.6	119.9	-108.7	131.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	199.99	1.83	0.00	73.3 (2-Lane)
1.051	229.54	2.10	0.00	84.1 (1-Lane)
1.100	83.45	2.45	0.00	98.0 (2-Lane)
1.100	95.78	2.81	0.00	112.5 (1-Lane)
1.200	25.82	2.53	0.00	101.1 (2-Lane)
1.200	29.63	2.90	0.00	116.1 (1-Lane)
1.300	16.14	3.73	0.00	149.0 (2-Lane)
1.300	18.52	4.28	0.00	171.0 (1-Lane)
1.400	6.76	3.11	0.00	124.5 (2-Lane)
1.400	7.89	3.64	0.00	145.8 (1-Lane)

1.500	3.63	3.63	0.00	145.4 (2-Lane)
1.500	4.17	4.17	0.00	166.8 (1-Lane)
1.600	3.11	6.76	0.00	124.5 (2-Lane)
1.600	3.64	7.89	0.00	145.8 (1-Lane)
1.700	3.73	16.14	0.00	149.0 (2-Lane)
1.700	4.28	18.52	0.00	171.0 (1-Lane)
1.800	2.53	25.82	0.00	101.1 (2-Lane)
1.800	2.90	29.63	0.00	116.1 (1-Lane)
1.900	2.62	83.97	0.00	104.6 (2-Lane)
1.900	3.00	96.38	0.00	120.1 (1-Lane)
1.949	1.91	200.66	0.00	76.4 (2-Lane)
1.949	2.19	230.31	0.00	87.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	155.76 R	117.11	116.46 R	87.57
1.200	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.300	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.400	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.500	692.1	99.2	358.78 R	269.76	268.27 R	201.71
1.600	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.700	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.800	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.900	249.2	35.7	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 354

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL S

Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.000	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)	
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)	
1.200	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)	
1.200	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)	
1.300	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)	
1.300	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)	
1.400	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)	
1.400	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)	
1.500	24.96	999.00	7.61	999.00	0.00	304.4 (2-Lane)	
1.500	33.38	999.00	10.18	999.00	0.00	407.0 (1-Lane)	
1.600	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)	
1.600	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)	
1.700	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)	
1.700	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)	
1.800	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)	
1.800	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)	
1.900	71.00	999.00	21.55	999.00	0.00	862.0 (2-Lane)	
1.900	94.96	999.00	28.82	999.00	0.00	999.0 (1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	339.76 R	255.46	254.05 R	191.01	191.01	191.01	191.01
1.200	443.0	63.5	593.12 R	445.96	443.50 R	333.46	333.46	333.46	333.46
1.300	581.4	83.3	760.09 R	571.49	568.34 R	427.33	427.33	427.33	427.33
1.400	664.5	95.2	866.58 R	651.56	647.97 R	487.20	487.20	487.20	487.20
1.500	692.1	99.2	891.18 R	670.06	666.37 R	501.03	501.03	501.03	501.03
1.600	664.5	95.2	866.58 R	651.56	647.97 R	487.20	487.20	487.20	487.20
1.700	581.4	83.3	760.09 R	571.49	568.34 R	427.33	427.33	427.33	427.33
1.800	443.0	63.5	593.12 R	445.96	443.50 R	333.46	333.46	333.46	333.46
1.900	249.2	35.7	339.76 R	255.46	254.05 R	191.01	191.01	191.01	191.01
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.20	999.00	17.20	999.00	0.00	464.3 (2-Lane)
1.100	23.00	999.00	23.00	999.00	0.00	621.0 (1-Lane)
1.200	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.200	12.60	999.00	12.60	999.00	0.00	340.3 (1-Lane)
1.300	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.300	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.400	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.500	5.95	999.00	5.95	999.00	0.00	160.7 (2-Lane)
1.500	7.96	999.00	7.96	999.00	0.00	215.0 (1-Lane)
1.600	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.700	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.700	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.800	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.800	12.60	999.00	12.60	999.00	0.00	340.3 (1-Lane)
1.900	17.11	999.00	17.11	999.00	0.00	461.9 (2-Lane)
1.900	22.88	999.00	22.88	999.00	0.00	617.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.82	53.25	61.71	46.40
1.100	43.8	5.6	66.70	50.15	58.11	43.69
1.200	29.3	4.2	58.22	43.77	50.73	38.14
1.300	19.5	2.8	49.74	37.40	43.34	32.58
1.400	9.8	1.4	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.4	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-2.8	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.2	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-5.6	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-12.5	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)

1.400	93.6	30.6	124.2	-135.4	113.1 (2-Lane)
1.400	96.4	30.6	127.0	-138.2	115.9 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.6	30.6	124.2	-113.1	135.4 (2-Lane)
1.600	96.4	30.6	127.0	-115.9	138.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.93	0.00	52.1 (2-Lane)
1.051	212.66	2.22	0.00	59.8 (1-Lane)
1.100	77.32	2.53	0.00	68.2 (2-Lane)
1.100	88.74	2.90	0.00	78.3 (1-Lane)
1.200	22.06	2.47	0.00	66.6 (2-Lane)
1.200	25.32	2.83	0.00	76.4 (1-Lane)
1.300	13.10	3.35	0.00	90.5 (2-Lane)
1.300	15.04	3.85	0.00	103.9 (1-Lane)
1.400	5.57	2.74	0.00	74.0 (2-Lane)
1.400	6.53	3.22	0.00	87.0 (1-Lane)
1.500	3.18	3.18	0.00	85.9 (2-Lane)
1.500	3.66	3.66	0.00	98.9 (1-Lane)
1.600	2.74	5.57	0.00	74.0 (2-Lane)
1.600	3.22	6.53	0.00	87.0 (1-Lane)
1.700	3.35	13.10	0.00	90.5 (2-Lane)
1.700	3.85	15.04	0.00	103.9 (1-Lane)
1.800	2.47	22.06	0.00	66.6 (2-Lane)
1.800	2.83	25.32	0.00	76.4 (1-Lane)
1.900	2.70	77.80	0.00	72.8 (2-Lane)
1.900	3.10	89.29	0.00	83.6 (1-Lane)
1.949	2.01	185.91	0.00	54.3 (2-Lane)
1.949	2.31	213.37	0.00	62.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	169.88 R	127.73	127.02 R	95.51
1.200	443.0	63.5	296.56 R	222.98	221.75 R	166.73
1.300	581.4	83.3	380.04 R	285.75	284.17 R	213.66
1.400	664.5	95.2	433.29 R	325.78	323.99 R	243.60
1.500	692.1	99.2	445.59 R	335.03	333.18 R	250.51
1.600	664.5	95.2	433.29 R	325.78	323.99 R	243.60
1.700	581.4	83.3	380.04 R	285.75	284.17 R	213.66
1.800	443.0	63.5	296.56 R	222.98	221.75 R	166.73
1.900	249.2	35.7	169.88 R	127.73	127.02 R	95.51
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 362

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00	533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00	713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU5

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	377.07 R	283.51	281.95 R	211.99

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1.200	443.0	63.5	654.95 R	492.44	489.73 R	368.21	
1.300	581.4	83.3	842.64 R	633.56	630.07 R	473.74	
1.400	664.5	95.2	957.06 R	719.59	715.63 R	538.07	
1.500	692.1	99.2	972.29 R	731.04	727.01 R	546.62	
1.600	664.5	95.2	957.06 R	719.59	715.63 R	538.07	
1.700	581.4	83.3	842.64 R	633.56	630.07 R	473.74	
1.800	443.0	63.5	654.95 R	492.44	489.73 R	368.21	
1.900	249.2	35.7	377.07 R	283.51	281.95 R	211.99	
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.49	999.00	15.49	999.00	0.00	480.4 (2-Lane)
1.100	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.200	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.300	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.300	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.400	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.400	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.500	5.46	999.00	5.46	999.00	0.00	169.2 (2-Lane)
1.500	7.30	999.00	7.30	999.00	0.00	226.2 (1-Lane)
1.600	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.600	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.700	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.700	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.800	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.900	15.41	999.00	15.41	999.00	0.00	477.8 (2-Lane)
1.900	20.61	999.00	20.61	999.00	0.00	639.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type:		I-LEGL				
Rating Live Load:		SU5				
Gamma	DC	DW	(2-Lane)	(1-Lane)		
	1.25	1.25	LL 1.60	LL 1.60		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	78.76	59.22	68.62	51.59
1.100	43.8	5.6	74.03	55.66	64.50	48.49
1.200	29.3	4.2	64.29	48.34	56.01	42.11
1.300	19.5	2.8	54.55	41.02	47.53	35.74
1.400	9.8	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-5.6	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-12.5	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.5	30.6	125.1	-136.2	113.9 (2-Lane)
1.400	97.7	30.6	128.3	-139.4	117.1 (1-Lane)
1.500	57.0	48.2	105.2	-105.2	105.2 (2-Lane)
1.500	57.5	48.2	105.8	-105.8	105.8 (1-Lane)
1.600	94.5	30.6	125.1	-113.9	136.2 (2-Lane)
1.600	97.7	30.6	128.3	-117.1	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU5

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.74	0.00	53.8 (2-Lane)
1.051	212.66	1.99	0.00	61.8 (1-Lane)
1.100	77.32	2.28	0.00	70.6 (2-Lane)
1.100	88.74	2.61	0.00	81.0 (1-Lane)
1.200	22.06	2.23	0.00	69.2 (2-Lane)
1.200	25.32	2.56	0.00	79.5 (1-Lane)
1.300	12.25	3.06	0.00	94.8 (2-Lane)
1.300	14.06	3.51	0.00	108.8 (1-Lane)
1.400	5.38	2.54	0.00	78.8 (2-Lane)
1.400	6.32	3.00	0.00	93.0 (1-Lane)
1.500	3.00	3.00	0.00	93.0 (2-Lane)
1.500	3.46	3.46	0.00	107.3 (1-Lane)
1.600	2.54	5.38	0.00	78.8 (2-Lane)
1.600	3.00	6.32	0.00	93.0 (1-Lane)
1.700	3.06	12.25	0.00	94.8 (2-Lane)
1.700	3.51	14.06	0.00	108.8 (1-Lane)

1.800	2.23	22.06	0.00	69.2 (2-Lane)
1.800	2.56	25.32	0.00	79.5 (1-Lane)
1.900	2.43	77.80	0.00	75.3 (2-Lane)
1.900	2.79	89.29	0.00	86.5 (1-Lane)
1.949	1.81	185.91	0.00	56.1 (2-Lane)
1.949	2.08	213.37	0.00	64.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	188.54 R	141.76	140.97 R	106.00
1.200	443.0	63.5	327.47 R	246.22	244.86 R	184.11
1.300	581.4	83.3	421.32 R	316.78	315.04 R	236.87
1.400	664.5	95.2	478.53 R	359.80	357.81 R	269.03
1.500	692.1	99.2	486.14 R	365.52	363.51 R	273.31
1.600	664.5	95.2	478.53 R	359.80	357.81 R	269.03
1.700	581.4	83.3	421.32 R	316.78	315.04 R	236.87
1.800	443.0	63.5	327.47 R	246.22	244.86 R	184.11
1.900	249.2	35.7	188.54 R	141.76	140.97 R	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 370

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL S

Rating Live Load: SU5

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	0.00	744.7 (1-Lane)

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1.200	30.96	999.00	9.41	999.00	0.00 291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00 390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00 212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00 284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00 179.4 (2-Lane)
1.400	25.39	999.00	7.74	999.00	0.00 239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00 174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00 232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00 179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00 239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00 212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00 284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00 291.8 (2-Lane)
1.800	41.40	999.00	12.59	999.00	0.00 390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00 551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00 738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	397.96 R	299.22	297.57 R	223.74	223.74	223.74
1.200	443.0	63.5	717.98 R	539.83	536.86 R	403.65	403.65	403.65
1.300	581.4	83.3	932.71 R	701.29	697.42 R	524.38	524.38	524.38
1.400	664.5	95.2	1052.03 R	791.00	786.64 R	591.46	591.46	591.46
1.500	692.1	99.2	1083.54 R	814.69	810.20 R	609.17	609.17	609.17
1.600	664.5	95.2	1052.03 R	791.00	786.64 R	591.46	591.46	591.46
1.700	581.4	83.3	932.71 R	701.29	697.42 R	524.38	524.38	524.38
1.800	443.0	63.5	717.98 R	539.83	536.86 R	403.65	403.65	403.65
1.900	249.2	35.7	397.96 R	299.22	297.57 R	223.74	223.74	223.74
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 374

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU6

Moment

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.68	999.00	14.68	999.00	0.00	510.2 (2-Lane)
1.100	19.64	999.00	19.64	999.00	0.00	682.3 (1-Lane)
1.200	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.200	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.300	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.400	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.400	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.500	4.90	999.00	4.90	999.00	0.00	170.2 (2-Lane)
1.500	6.55	999.00	6.55	999.00	0.00	227.6 (1-Lane)
1.600	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.600	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.700	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.800	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.800	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.5 (2-Lane)
1.900	19.53	999.00	19.53	999.00	0.00	678.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	83.43	62.73	72.69	54.66
1.100	43.8	5.6	78.13	58.74	68.07	51.18
1.200	29.3	4.2	67.21	50.54	58.56	44.03
1.300	19.5	2.8	56.30	42.33	49.05	36.88
1.400	9.8	1.4	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.4	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-2.8	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.2	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-5.6	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-12.5	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.3	30.6	121.9	-133.1	110.8 (2-Lane)
1.400	94.9	30.6	125.5	-136.6	114.3 (1-Lane)
1.500	53.6	48.2	101.9	-101.9	101.9 (2-Lane)
1.500	54.5	48.2	102.7	-102.7	102.7 (1-Lane)
1.600	91.3	30.6	121.9	-110.8	133.1 (2-Lane)
1.600	94.9	30.6	125.5	-114.3	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)

1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.64	0.00	56.9 (2-Lane)
1.051	314.36	1.88	0.00	65.4 (1-Lane)
1.100	130.74	2.16	0.00	75.0 (2-Lane)
1.100	150.06	2.48	0.00	86.1 (1-Lane)
1.200	27.88	2.14	0.00	74.2 (2-Lane)
1.200	32.00	2.45	0.00	85.2 (1-Lane)
1.300	13.65	2.96	0.00	103.0 (2-Lane)
1.300	15.66	3.40	0.00	118.2 (1-Lane)
1.400	5.41	2.44	0.00	84.8 (2-Lane)
1.400	6.38	2.89	0.00	100.5 (1-Lane)
1.500	2.96	2.96	0.00	102.7 (2-Lane)
1.500	3.42	3.42	0.00	118.8 (1-Lane)
1.600	2.44	5.41	0.00	84.8 (2-Lane)
1.600	2.89	6.38	0.00	100.5 (1-Lane)
1.700	2.96	13.65	0.00	103.0 (2-Lane)
1.700	3.40	15.66	0.00	118.2 (1-Lane)
1.800	2.14	27.88	0.00	74.2 (2-Lane)
1.800	2.45	32.00	0.00	85.2 (1-Lane)
1.900	2.30	131.56	0.00	80.0 (2-Lane)
1.900	2.64	150.99	0.00	91.8 (1-Lane)
1.949	1.71	274.82	0.00	59.4 (2-Lane)
1.949	1.96	315.42	0.00	68.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	198.98 R	149.61	148.79 R	111.87				
1.200	443.0	63.5	358.99 R	269.92	268.43 R	201.83				
1.300	581.4	83.3	466.36 R	350.64	348.71 R	262.19				
1.400	664.5	95.2	526.02 R	395.50	393.32 R	295.73				
1.500	692.1	99.2	541.77 R	407.35	405.10 R	304.59				
1.600	664.5	95.2	526.02 R	395.50	393.32 R	295.73				
1.700	581.4	83.3	466.36 R	350.64	348.71 R	262.19				
1.800	443.0	63.5	358.99 R	269.92	268.43 R	201.83				
1.900	249.2	35.7	198.98 R	149.61	148.79 R	111.87				
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00				
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00				

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type:	SU6							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL S

Rating Live Load: SU6

Span	Service				Rating Value	Load Resistance (tons)
	Rating Factor		bottom fiber			
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	35.7	416.40 R		313.08	311.35 R		234.10
1.200	443.0	63.5	751.06 R		564.71	561.60 R		422.25
1.300	581.4	83.3	1004.00 R		754.88	750.72 R		564.45
1.400	664.5	95.2	1135.75 R		853.95	849.24 R		638.53
1.500	692.1	99.2	1175.91 R		884.14	879.27 R		661.11
1.600	664.5	95.2	1135.75 R		853.95	849.24 R		638.53
1.700	581.4	83.3	1004.00 R		754.88	750.72 R		564.45
1.800	443.0	63.5	751.06 R		564.71	561.60 R		422.25
1.900	249.2	35.7	416.40 R		313.08	311.35 R		234.10

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1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.03	999.00	14.03	999.00	0.00	543.7 (2-Lane)
1.100	18.77	999.00	18.77	999.00	0.00	727.2 (1-Lane)
1.200	7.44	999.00	7.44	999.00	0.00	288.4 (2-Lane)
1.200	9.95	999.00	9.95	999.00	0.00	385.7 (1-Lane)
1.300	5.41	999.00	5.41	999.00	0.00	209.7 (2-Lane)
1.300	7.24	999.00	7.24	999.00	0.00	280.4 (1-Lane)
1.400	4.70	999.00	4.70	999.00	0.00	182.1 (2-Lane)
1.400	6.28	999.00	6.28	999.00	0.00	243.5 (1-Lane)
1.500	4.51	999.00	4.51	999.00	0.00	174.8 (2-Lane)
1.500	6.03	999.00	6.03	999.00	0.00	233.8 (1-Lane)
1.600	4.70	999.00	4.70	999.00	0.00	182.1 (2-Lane)
1.600	6.28	999.00	6.28	999.00	0.00	243.5 (1-Lane)
1.700	5.41	999.00	5.41	999.00	0.00	209.7 (2-Lane)
1.700	7.24	999.00	7.24	999.00	0.00	280.4 (1-Lane)
1.800	7.44	999.00	7.44	999.00	0.00	288.4 (2-Lane)
1.800	9.95	999.00	9.95	999.00	0.00	385.7 (1-Lane)
1.900	13.96	999.00	13.96	999.00	0.00	540.9 (2-Lane)
1.900	18.67	999.00	18.67	999.00	0.00	723.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	87.66	65.91	76.38	57.43
1.100	43.8	5.6	81.75	61.46	71.22	53.55
1.200	29.3	4.2	69.57	52.31	60.62	45.58
1.300	19.5	2.8	57.40	43.16	50.01	37.60
1.400	9.8	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-5.6	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-12.5	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.0	30.6	118.6	-129.7	107.5 (2-Lane)
1.400	91.8	30.6	122.4	-133.6	111.3 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	51.7	48.2	99.9	-99.9	99.9 (1-Lane)
1.600	88.0	30.6	118.6	-107.5	129.8 (2-Lane)
1.600	91.8	30.6	122.4	-111.3	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: I-LEGL
Rating Live Load: SU7

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.56	0.00	60.4 (2-Lane)
1.051	314.36	1.79	0.00	69.4 (1-Lane)
1.100	148.08	2.06	0.00	79.9 (2-Lane)
1.100	169.96	2.37	0.00	91.7 (1-Lane)
1.200	36.80	2.06	0.00	80.0 (2-Lane)
1.200	42.24	2.37	0.00	91.8 (1-Lane)
1.300	15.66	2.91	0.00	112.6 (2-Lane)
1.300	17.98	3.34	0.00	129.2 (1-Lane)
1.400	5.59	2.38	0.00	92.1 (2-Lane)
1.400	6.61	2.82	0.00	109.4 (1-Lane)
1.500	2.95	2.95	0.00	114.2 (2-Lane)
1.500	3.42	3.42	0.00	132.4 (1-Lane)
1.600	2.38	5.59	0.00	92.1 (2-Lane)
1.600	2.82	6.61	0.00	109.4 (1-Lane)
1.700	2.91	15.66	0.00	112.6 (2-Lane)
1.700	3.34	17.98	0.00	129.2 (1-Lane)
1.800	2.06	36.80	0.00	80.0 (2-Lane)
1.800	2.37	42.24	0.00	91.8 (1-Lane)
1.900	2.20	149.00	0.00	85.3 (2-Lane)
1.900	2.53	171.02	0.00	97.9 (1-Lane)
1.949	1.63	274.82	0.00	63.0 (2-Lane)

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1.949	1.87	315.42	0.00	72.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	208.20 R	156.54	155.68 R	117.05	117.05	117.05
1.200	443.0	63.5	375.53 R	282.35	280.80 R	211.13	211.13	211.13
1.300	581.4	83.3	502.00 R	377.44	375.36 R	282.23	282.23	282.23
1.400	664.5	95.2	567.88 R	426.97	424.62 R	319.26	319.26	319.26
1.500	692.1	99.2	587.96 R	442.07	439.63 R	330.55	330.55	330.55
1.600	664.5	95.2	567.88 R	426.97	424.62 R	319.26	319.26	319.26
1.700	581.4	83.3	502.00 R	377.44	375.36 R	282.23	282.23	282.23
1.800	443.0	63.5	375.53 R	282.35	280.80 R	211.13	211.13	211.13
1.900	249.2	35.7	208.20 R	156.54	155.68 R	117.05	117.05	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G02

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)

1.500	15.23	999.00	4.64	999.00	0.00	179.9	(2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6	(1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0	(2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7	(1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8	(2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0	(1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1	(2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4	(1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7	(2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01
 NBI ID 9999999
 Facility Carried I ###
 Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment											
	Span 1				Span 2				Span 3		
	R1	R2	R3		R1	R2	R3		R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1				Span 2				Span 3		
	R1	R2	R3		R1	R2	R3		R1	R2	R3
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear											
Span 1				Span 2				Span 3			
	R1	R2	R3		R1	R2	R3		R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Span 1				Span 2				Span 3			
	R1	R2	R3		R1	R2	R3		R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G03 01-IG003
 Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	56.786	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	0.000	196.9	196.9	56.786	0.0
1	Z	0.000	169.9	169.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G03

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Span	Sect. Area	Neutral Top	Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Fi	Force Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8	814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7	780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8	771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Span	Neutral Top	Axis Bott.	Moment +Bend (n=n)	of Inertia +Bend (n=3n)	Section Top	Modulus Bott.	+Bend (n=n)	+Bend (n=3n)	Bott.
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	

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SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 390

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	99.2	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.4 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.6 (1-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.200	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.300	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.300	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.400	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.500	3.68	999.00	3.68	999.00	0.00	132.4 (2-Lane)
1.500	4.92	999.00	4.92	999.00	0.00	177.1 (1-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.600	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.700	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.700	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.800	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.800	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.900	10.18	999.00	10.18	999.00	0.00	366.4 (2-Lane)
1.900	13.61	999.00	13.61	999.00	0.00	490.0 (1-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HL93

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	118.11	0.00	94.04	0.00	102.90	0.00
1.100	43.8	5.6	109.99	0.00	87.42	0.00	95.83	0.00
1.200	29.3	4.2	93.63	0.00	74.13	0.00	81.58	0.00
1.300	19.5	2.8	77.74	0.00	61.31	0.00	67.74	0.00
1.400	9.8	1.4	62.33	0.00	48.96	0.00	54.30	0.00
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00
1.600	-9.8	-1.4	-62.33	0.00	-48.96	0.00	-54.30	0.00
1.700	-19.5	-2.8	-77.74	0.00	-61.31	0.00	-67.74	0.00
1.800	-29.3	-4.2	-93.63	0.00	-74.13	0.00	-81.58	0.00
1.900	-39.0	-5.6	-109.99	0.00	-87.41	0.00	-95.83	0.00
1.949	-43.7	-12.5	-118.11	0.00	-94.04	0.00	-102.90	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	97.0	30.6	127.6	-138.8	116.5 (2-Lane)
1.400	102.1	30.6	132.7	-143.8	121.5 (1-Lane)
1.500	59.9	48.2	108.2	-108.2	108.2 (2-Lane)
1.500	61.9	48.2	110.1	-110.1	110.1 (1-Lane)
1.600	97.0	30.6	127.6	-116.5	138.8 (2-Lane)
1.600	102.1	30.6	132.7	-121.5	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HL93

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.16	0.00	41.7 (2-Lane)
1.051	103.29	1.33	0.00	47.8 (1-Lane)
1.100	48.07	1.53	0.00	55.2 (2-Lane)
1.100	55.17	1.76	0.00	63.3 (1-Lane)

1.200	13.95	1.53	0.00	55.2 (2-Lane)
1.200	16.01	1.76	0.00	63.4 (1-Lane)
1.300	8.51	2.15	0.00	77.2 (2-Lane)
1.300	9.76	2.46	0.00	88.7 (1-Lane)
1.400	3.95	1.87	0.00	67.3 (2-Lane)
1.400	4.70	2.24	0.00	80.5 (1-Lane)
1.500	2.28	2.28	0.00	82.2 (2-Lane)
1.500	2.67	2.67	0.00	96.0 (1-Lane)
1.600	1.87	3.95	0.00	67.3 (2-Lane)
1.600	2.24	4.70	0.00	80.6 (1-Lane)
1.700	2.15	8.51	0.00	77.2 (2-Lane)
1.700	2.46	9.76	0.00	88.7 (1-Lane)
1.800	1.53	13.95	0.00	55.2 (2-Lane)
1.800	1.76	16.01	0.00	63.4 (1-Lane)
1.900	1.64	46.41	0.00	58.9 (2-Lane)
1.900	1.88	53.27	0.00	67.6 (1-Lane)
1.949	1.21	88.36	0.00	43.4 (2-Lane)
1.949	1.38	101.41	0.00	49.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 396

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	79.4	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 396

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
Rating Live Load: HL93

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.60	999.00	12.97	999.00	0.00	467.0 (2-Lane)
1.100	56.98	999.00	17.35	999.00	0.00	624.6 (1-Lane)
1.200	22.35	999.00	6.80	999.00	0.00	244.7 (2-Lane)
1.200	29.90	999.00	9.09	999.00	0.00	327.2 (1-Lane)
1.300	16.42	999.00	5.00	999.00	0.00	179.9 (2-Lane)
1.300	21.95	999.00	6.68	999.00	0.00	240.6 (1-Lane)
1.400	14.01	999.00	4.27	999.00	0.00	153.7 (2-Lane)
1.400	18.73	999.00	5.71	999.00	0.00	205.5 (1-Lane)
1.500	13.58	999.00	4.14	999.00	0.00	149.1 (2-Lane)
1.500	18.16	999.00	5.54	999.00	0.00	199.3 (1-Lane)
1.600	14.01	999.00	4.27	999.00	0.00	153.7 (2-Lane)
1.600	18.73	999.00	5.71	999.00	0.00	205.5 (1-Lane)
1.700	16.42	999.00	5.00	999.00	0.00	179.9 (2-Lane)
1.700	21.95	999.00	6.68	999.00	0.00	240.6 (1-Lane)
1.800	22.35	999.00	6.80	999.00	0.00	244.7 (2-Lane)
1.800	29.90	999.00	9.09	999.00	0.00	327.2 (1-Lane)
1.900	42.37	999.00	12.86	999.00	0.00	462.9 (2-Lane)
1.900	56.66	999.00	17.20	999.00	0.00	619.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	443.0	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	581.4	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	664.5	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	692.1	99.2	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	664.5	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	581.4	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	443.0	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	249.2	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03
 Rating Type: I-INV
 Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	12.61	999.00	12.61	999.00	252.15	453.9	(2-Lane)
1.100	16.86	999.00	16.86	999.00	337.22	607.0	(1-Lane)
1.200	6.98	999.00	6.98	999.00	139.61	251.3	(2-Lane)
1.200	9.34	999.00	9.34	999.00	186.71	336.1	(1-Lane)
1.300	5.37	999.00	5.37	999.00	107.32	193.2	(2-Lane)
1.300	7.18	999.00	7.18	999.00	143.53	258.4	(1-Lane)
1.400	4.71	999.00	4.71	999.00	94.27	169.7	(2-Lane)
1.400	6.30	999.00	6.30	999.00	126.08	226.9	(1-Lane)
1.500	4.64	999.00	4.64	999.00	92.79	167.0	(2-Lane)
1.500	6.20	999.00	6.20	999.00	124.10	223.4	(1-Lane)
1.600	4.71	999.00	4.71	999.00	94.27	169.7	(2-Lane)
1.600	6.30	999.00	6.30	999.00	126.08	226.9	(1-Lane)
1.700	5.37	999.00	5.37	999.00	107.32	193.2	(2-Lane)
1.700	7.18	999.00	7.18	999.00	143.53	258.4	(1-Lane)
1.800	6.98	999.00	6.98	999.00	139.61	251.3	(2-Lane)
1.800	9.34	999.00	9.34	999.00	186.71	336.1	(1-Lane)
1.900	12.54	999.00	12.54	999.00	250.82	451.5	(2-Lane)
1.900	16.77	999.00	16.77	999.00	335.45	603.8	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03
 Rating Type: I-INV
 Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.75	LL	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	96.99	72.93	84.51	63.54
1.100	43.8	5.6	90.98	68.41	79.27	59.60
1.200	29.3	4.2	78.61	59.11	68.49	51.50
1.300	19.5	2.8	66.24	49.81	57.72	43.40
1.400	9.8	1.4	53.88	40.51	46.94	35.29
1.500	0.0	0.0	41.51	31.21	36.17	27.19
1.600	-9.8	-1.4	-53.88	-40.51	-46.94	-35.29
1.700	-19.5	-2.8	-66.24	-49.81	-57.72	-43.40
1.800	-29.3	-4.2	-78.61	-59.11	-68.49	-51.50
1.900	-39.0	-5.6	-90.98	-68.41	-79.27	-59.60
1.949	-43.7	-12.5	-96.99	-72.93	-84.51	-63.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03
 Rating Type: I-INV
 Rating Live Load: HS20

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I	
			(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)

1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (2-Lane)
1.400	102.6	30.6	133.1	-144.3	122.0 (1-Lane)
1.500	60.5	48.2	108.7	-108.7	108.7 (2-Lane)
1.500	61.6	48.2	109.9	-109.9	109.9 (1-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (2-Lane)
1.600	102.6	30.6	133.1	-122.0	144.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.41	28.19	50.8 (2-Lane)
1.051	103.29	1.62	32.36	58.2 (1-Lane)
1.100	48.65	1.85	37.06	66.7 (2-Lane)
1.100	55.84	2.13	42.54	76.6 (1-Lane)
1.200	19.15	1.83	36.53	65.8 (2-Lane)
1.200	21.97	2.10	41.92	75.5 (1-Lane)
1.300	10.88	2.52	50.36	90.6 (2-Lane)
1.300	12.49	2.89	57.80	104.0 (1-Lane)
1.400	4.61	2.19	43.78	78.8 (2-Lane)
1.400	5.44	2.60	51.98	93.6 (1-Lane)
1.500	2.62	2.62	52.39	94.3 (2-Lane)
1.500	3.04	3.04	60.76	109.4 (1-Lane)
1.600	2.19	4.61	43.78	78.8 (2-Lane)
1.600	2.60	5.44	51.98	93.6 (1-Lane)
1.700	2.52	10.88	50.36	90.6 (2-Lane)
1.700	2.89	12.49	57.80	104.0 (1-Lane)
1.800	1.83	19.15	36.53	65.8 (2-Lane)
1.800	2.10	21.97	41.92	75.5 (1-Lane)
1.900	1.98	48.96	39.55	71.2 (2-Lane)
1.900	2.27	56.19	45.39	81.7 (1-Lane)
1.949	1.47	90.30	29.39	52.9 (2-Lane)
1.949	1.69	103.64	33.74	60.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 404

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	79.4	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00

1.949 102.5 0.0 0.00 R 0.00 9999999_20120831cy17_FlexuralRpt.txt 0.00 0.00
2.000 0.0 0.0 0.00 R 0.00 0.00 0.00 R 0.00 0.00 0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 404
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G03								
Rating Type: III-INV								
Rating Live Load: STRESSES								
Rating Type: HS20								
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 405
SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G03								
Rating Type: III-INV S								
Rating Live Load: HS20								
Service								
Span	top fiber	Rating	Factor	bottom fiber	Rating	Load		
	+bend	-bend		+bend -bend	Value	Resistance		
						(tons)		
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)	
1.100	52.50	999.00	15.98	999.00	319.70	575.5	(2-Lane)	
1.100	70.21	999.00	21.38	999.00	427.56	769.6	(1-Lane)	
1.200	27.69	999.00	8.42	999.00	168.38	303.1	(2-Lane)	
1.200	37.03	999.00	11.26	999.00	225.19	405.3	(1-Lane)	
1.300	20.49	999.00	6.24	999.00	124.75	224.6	(2-Lane)	
1.300	27.40	999.00	8.34	999.00	166.84	300.3	(1-Lane)	
1.400	17.55	999.00	5.35	999.00	107.00	192.6	(2-Lane)	
1.400	23.48	999.00	7.16	999.00	143.09	257.6	(1-Lane)	
1.500	17.13	999.00	5.22	999.00	104.45	188.0	(2-Lane)	
1.500	22.91	999.00	6.98	999.00	139.69	251.4	(1-Lane)	
1.600	17.55	999.00	5.35	999.00	107.00	192.6	(2-Lane)	
1.600	23.48	999.00	7.16	999.00	143.09	257.6	(1-Lane)	
1.700	20.49	999.00	6.24	999.00	124.75	224.6	(2-Lane)	
1.700	27.40	999.00	8.34	999.00	166.84	300.3	(1-Lane)	
1.800	27.69	999.00	8.42	999.00	168.38	303.1	(2-Lane)	
1.800	37.03	999.00	11.26	999.00	225.19	405.3	(1-Lane)	
1.900	52.20	999.00	15.84	999.00	316.86	570.3	(2-Lane)	
1.900	69.82	999.00	21.19	999.00	423.76	762.8	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 406
MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G03								
Rating Type: I-INV								
Rating Live Load: 3								
Gamma	DC	DW	(2-Lane)		(1-Lane)			
			LL		LL			

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	99.2	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 407

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 408

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.37	999.00	17.37	999.00	0.00	434.2 (2-Lane)
1.100	23.23	999.00	23.23	999.00	0.00	580.7 (1-Lane)
1.200	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.200	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.300	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.300	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.400	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.400	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.500	6.20	999.00	6.20	999.00	0.00	154.9 (2-Lane)
1.500	8.28	999.00	8.28	999.00	0.00	207.1 (1-Lane)
1.600	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.600	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.700	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.700	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.800	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.800	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.900	17.28	999.00	17.28	999.00	0.00	431.9 (2-Lane)
1.900	23.10	999.00	23.10	999.00	0.00	577.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.22	0.00	52.80	0.00
1.100	43.8	5.6	66.04	0.00	49.66	0.00
1.200	29.3	4.2	57.46	0.00	43.20	0.00
1.300	19.5	2.8	48.87	0.00	36.74	0.00
1.400	9.8	1.4	40.28	0.00	30.28	0.00
1.500	0.0	0.0	31.69	0.00	23.83	0.00
1.600	-9.8	-1.4	-40.28	0.00	-30.28	0.00
1.700	-19.5	-2.8	-48.87	0.00	-36.74	0.00
1.800	-29.3	-4.2	-57.46	0.00	-43.20	0.00
1.900	-39.0	-5.6	-66.04	0.00	-49.66	0.00
1.949	-43.7	-12.5	-70.22	0.00	-52.80	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
 Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.5	30.6	124.1	-135.2	112.9 (2-Lane)
1.400	96.2	30.6	126.7	-137.9	115.6 (1-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (2-Lane)
1.500	55.6	48.2	103.9	-103.9	103.9 (1-Lane)
1.600	93.5	30.6	124.1	-112.9	135.2 (2-Lane)
1.600	96.2	30.6	126.7	-115.6	137.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
 Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.95	0.00	48.7 (2-Lane)
1.051	194.43	2.23	0.00	55.9 (1-Lane)
1.100	70.69	2.55	0.00	63.8 (2-Lane)
1.100	81.13	2.93	0.00	73.3 (1-Lane)
1.200	21.87	2.50	0.00	62.5 (2-Lane)
1.200	25.10	2.87	0.00	71.7 (1-Lane)
1.300	13.67	3.41	0.00	85.3 (2-Lane)
1.300	15.69	3.92	0.00	97.9 (1-Lane)
1.400	5.85	2.80	0.00	70.1 (2-Lane)
1.400	6.85	3.29	0.00	82.3 (1-Lane)

1.500	3.28	3.28	0.00	81.9 (2-Lane)
1.500	3.76	3.76	0.00	94.1 (1-Lane)
1.600	2.80	5.85	0.00	70.1 (2-Lane)
1.600	3.29	6.85	0.00	82.3 (1-Lane)
1.700	3.41	13.67	0.00	85.3 (2-Lane)
1.700	3.92	15.69	0.00	97.9 (1-Lane)
1.800	2.50	21.87	0.00	62.5 (2-Lane)
1.800	2.87	25.10	0.00	71.7 (1-Lane)
1.900	2.72	71.13	0.00	68.1 (2-Lane)
1.900	3.13	81.64	0.00	78.2 (1-Lane)
1.949	2.03	169.97	0.00	50.8 (2-Lane)
1.949	2.33	195.08	0.00	58.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN

Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	79.4	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.500	22.87	999.00	6.97	999.00	0.00	174.3 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.1 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.900	71.91	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.17	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	443.0	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	581.4	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	664.5	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	692.1	99.2	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	664.5	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	581.4	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	443.0	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	249.2	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
 Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.72	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	19.68	999.00	19.68	999.00	0.00	787.3 (1-Lane)
1.200	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.200	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.300	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.500	5.70	999.00	5.70	999.00	0.00	228.1 (2-Lane)
1.500	7.63	999.00	7.63	999.00	0.00	305.1 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.700	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.800	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.800	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.900	14.64	999.00	14.64	999.00	0.00	585.6 (2-Lane)
1.900	19.58	999.00	19.58	999.00	0.00	783.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
 Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	67.45	0.00	50.72	0.00	58.77	0.00
1.100	43.8	5.6	77.94	0.00	58.60	0.00	67.91	0.00
1.200	29.3	4.2	64.20	0.00	48.27	0.00	55.93	0.00
1.300	19.5	2.8	50.91	0.00	38.28	0.00	44.36	0.00
1.400	9.8	1.4	39.54	0.00	29.73	0.00	34.45	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00
1.600	-9.8	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00
1.700	-19.5	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00
1.800	-29.3	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00
1.900	-39.0	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00
1.949	-43.7	-12.5	-84.62	0.00	-63.62	0.00	-73.72	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
 Rating Live Load: 3S2

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)

1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	87.9	30.6	118.5	-129.6	107.3 (2-Lane)
1.400	91.0	30.6	121.6	-132.7	110.4 (1-Lane)
1.500	49.4	48.2	97.6	-97.6	97.6 (2-Lane)
1.500	49.7	48.2	98.0	-98.0	98.0 (1-Lane)
1.600	87.9	30.6	118.5	-107.3	129.6 (2-Lane)
1.600	91.0	30.6	121.6	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	2.03	0.00	81.1 (2-Lane)
1.051	194.43	2.33	0.00	93.1 (1-Lane)
1.100	70.69	2.16	0.00	86.5 (2-Lane)
1.100	81.13	2.48	0.00	99.3 (1-Lane)
1.200	21.87	2.24	0.00	89.5 (2-Lane)
1.200	25.10	2.57	0.00	102.7 (1-Lane)
1.300	13.67	3.28	0.00	131.1 (2-Lane)
1.300	15.69	3.76	0.00	150.4 (1-Lane)
1.400	6.08	2.71	0.00	108.6 (2-Lane)
1.400	7.15	3.20	0.00	128.2 (1-Lane)
1.500	3.44	3.44	0.00	137.6 (2-Lane)
1.500	3.96	3.96	0.00	158.5 (1-Lane)
1.600	2.71	6.08	0.00	108.6 (2-Lane)
1.600	3.20	7.15	0.00	128.2 (1-Lane)
1.700	3.28	13.67	0.00	131.1 (2-Lane)
1.700	3.76	15.69	0.00	150.4 (1-Lane)
1.800	2.24	21.87	0.00	89.5 (2-Lane)
1.800	2.57	25.10	0.00	102.7 (1-Lane)
1.900	2.31	71.13	0.00	92.3 (2-Lane)
1.900	2.65	81.64	0.00	106.0 (1-Lane)
1.949	1.68	169.97	0.00	67.4 (2-Lane)
1.949	1.93	195.08	0.00	77.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	50.8	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	79.4	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	50.8	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 420

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance		Available Resistance for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	18.66	0.00	746.4 (2-Lane)
1.100	81.95	24.95	0.00	999.0 (1-Lane)
1.200	33.91	10.31	0.00	412.4 (2-Lane)
1.200	45.35	13.79	0.00	551.5 (1-Lane)
1.300	24.23	7.38	0.00	295.0 (2-Lane)
1.300	32.40	9.86	0.00	394.6 (1-Lane)
1.400	20.97	6.39	0.00	255.7 (2-Lane)
1.400	28.05	8.55	0.00	341.9 (1-Lane)
1.500	21.06	6.42	0.00	256.8 (2-Lane)
1.500	28.16	8.59	0.00	343.4 (1-Lane)
1.600	20.97	6.39	0.00	255.7 (2-Lane)
1.600	28.05	8.55	0.00	341.9 (1-Lane)
1.700	24.23	7.38	0.00	295.0 (2-Lane)
1.700	32.40	9.86	0.00	394.6 (1-Lane)
1.800	33.91	10.31	0.00	412.4 (2-Lane)
1.800	45.35	13.79	0.00	551.5 (1-Lane)
1.900	60.94	18.49	0.00	739.8 (2-Lane)
1.900	81.50	24.73	0.00	989.3 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 422

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL	LL	LL
	1.25	1.25	1.75	1.75				

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Lane		Live Load w/o impact Lane		Live Load w/impact Lane		Live Load w/o impact Lane	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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1.100	218.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55
1.200	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21
1.300	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14
1.400	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10
1.500	692.1	99.2	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23
1.600	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10
1.700	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14
1.800	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21
1.900	249.2	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G03

Rating Type:

I-INV

Rating Live Load:

3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G03

Rating Type:

I-INV

Rating Live Load:

3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	685.9 (2-Lane)
1.100	22.93	999.00	22.93	999.00	0.00	917.4 (1-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.200	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.300	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.300	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.400	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.400	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.500	6.76	999.00	6.76	999.00	0.00	270.4 (2-Lane)
1.500	9.04	999.00	9.04	999.00	0.00	361.6 (1-Lane)
1.600	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.600	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.700	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.700	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.800	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.900	17.06	999.00	17.06	999.00	0.00	682.3 (2-Lane)
1.900	22.81	999.00	22.81	999.00	0.00	912.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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PAGE 425

SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	LL	LL	LL	LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.57	0.00	54.56	0.00	63.22	0.00	47.54	0.00
1.100	43.8	5.6	66.89	0.00	50.29	0.00	58.28	0.00	43.82	0.00
1.200	29.3	4.2	55.21	0.00	41.51	0.00	48.10	0.00	36.17	0.00
1.300	19.5	2.8	43.53	0.00	32.73	0.00	37.92	0.00	28.51	0.00
1.400	9.8	1.4	33.97	0.00	25.54	0.00	29.60	0.00	22.26	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30	0.00
1.600	-9.8	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26	0.00
1.700	-19.5	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51	0.00
1.800	-29.3	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17	0.00
1.900	-39.0	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82	0.00
1.949	-43.7	-12.5	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (2-Lane)
1.400	90.9	30.6	121.5	-132.7	110.4 (1-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (2-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (1-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (2-Lane)
1.600	90.9	30.6	121.5	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: 3-3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	205.70	1.88	0.00	75.4 (2-Lane)
1.051	236.09	2.16	0.00	86.5 (1-Lane)
1.100	85.84	2.52	0.00	100.8 (2-Lane)
1.100	98.52	2.89	0.00	115.7 (1-Lane)
1.200	26.56	2.60	0.00	104.0 (2-Lane)
1.200	30.48	2.98	0.00	119.4 (1-Lane)
1.300	16.60	3.83	0.00	153.3 (2-Lane)
1.300	19.05	4.40	0.00	175.9 (1-Lane)
1.400	6.92	3.18	0.00	127.4 (2-Lane)
1.400	8.07	3.73	0.00	149.1 (1-Lane)
1.500	3.72	3.72	0.00	148.8 (2-Lane)
1.500	4.26	4.26	0.00	170.5 (1-Lane)
1.600	3.19	6.92	0.00	127.4 (2-Lane)
1.600	3.73	8.07	0.00	149.2 (1-Lane)
1.700	3.83	16.60	0.00	153.3 (2-Lane)

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1.700	4.40	19.05	0.00	175.9 (1-Lane)
1.800	2.60	26.56	0.00	104.0 (2-Lane)
1.800	2.98	30.48	0.00	119.4 (1-Lane)
1.900	2.69	86.37	0.00	107.6 (2-Lane)
1.900	3.09	99.13	0.00	123.5 (1-Lane)
1.949	1.96	206.39	0.00	78.6 (2-Lane)
1.949	2.26	236.89	0.00	90.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	79.4	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)

1.200	39.43	999.00	11.99	999.00	0.00	479.5	(2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.3	(1-Lane)
1.300	29.43	999.00	8.96	999.00	0.00	358.5	(2-Lane)
1.300	39.36	999.00	11.98	999.00	0.00	479.4	(1-Lane)
1.400	26.85	999.00	8.18	999.00	0.00	327.4	(2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.8	(1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4	(2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.0	(1-Lane)
1.600	26.85	999.00	8.18	999.00	0.00	327.4	(2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.8	(1-Lane)
1.700	29.43	999.00	8.96	999.00	0.00	358.5	(2-Lane)
1.700	39.36	999.00	11.98	999.00	0.00	479.4	(1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.5	(2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.3	(1-Lane)
1.900	71.00	999.00	21.55	999.00	0.00	862.0	(2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00
1.200	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00
1.300	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00
1.400	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00
1.500	692.1	99.2	974.73 R	0.00	732.88	0.00	728.84 R	0.00
1.600	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00
1.700	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00
1.800	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00
1.900	249.2	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance		Bending Top	Bending Bott.	Available Resistance for LL+I			
	Positive Top	Bending Bott.			Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.72	999.00	15.72	999.00	0.00	424.5 (2-Lane)
1.100	21.03	999.00	21.03	999.00	0.00	567.7 (1-Lane)
1.200	8.62	999.00	8.62	999.00	0.00	232.7 (2-Lane)
1.200	11.52	999.00	11.52	999.00	0.00	311.2 (1-Lane)
1.300	6.53	999.00	6.53	999.00	0.00	176.4 (2-Lane)
1.300	8.74	999.00	8.74	999.00	0.00	235.9 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	152.0 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	203.3 (1-Lane)
1.500	5.44	999.00	5.44	999.00	0.00	147.0 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	196.5 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	152.0 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	203.3 (1-Lane)
1.700	6.53	999.00	6.53	999.00	0.00	176.4 (2-Lane)
1.700	8.74	999.00	8.74	999.00	0.00	235.9 (1-Lane)
1.800	8.62	999.00	8.62	999.00	0.00	232.7 (2-Lane)
1.800	11.52	999.00	11.52	999.00	0.00	311.2 (1-Lane)
1.900	15.64	999.00	15.64	999.00	0.00	422.3 (2-Lane)
1.900	20.92	999.00	20.92	999.00	0.00	564.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	77.46	0.00	58.24	0.00	67.49	0.00	50.74	0.00
1.100	43.8	5.6	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00
1.200	29.3	4.2	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00
1.300	19.5	2.8	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00
1.400	9.8	1.4	45.13	0.00	33.93	0.00	39.32	0.00	29.56	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49	0.00
1.600	-9.8	-1.4	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56	0.00
1.700	-19.5	-2.8	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64	0.00
1.800	-29.3	-4.2	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71	0.00
1.900	-39.0	-5.6	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79	0.00
1.949	-43.7	-12.5	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU4

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	95.3	30.6	125.9	-137.0	114.7 (2-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (1-Lane)
1.500	57.9	48.2	106.2	-106.2	106.2 (2-Lane)
1.500	58.5	48.2	106.7	-106.7	106.7 (1-Lane)
1.600	95.3	30.6	125.9	-114.7	137.0 (2-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)

1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.76	0.00	47.7 (2-Lane)
1.051	194.43	2.03	0.00	54.7 (1-Lane)
1.100	70.69	2.31	0.00	62.4 (2-Lane)
1.100	81.13	2.65	0.00	71.6 (1-Lane)
1.200	20.17	2.26	0.00	60.9 (2-Lane)
1.200	23.15	2.59	0.00	69.9 (1-Lane)
1.300	11.98	3.07	0.00	82.8 (2-Lane)
1.300	13.75	3.52	0.00	95.0 (1-Lane)
1.400	5.16	2.54	0.00	68.6 (2-Lane)
1.400	6.06	3.00	0.00	81.0 (1-Lane)
1.500	2.96	2.96	0.00	79.9 (2-Lane)
1.500	3.42	3.42	0.00	92.2 (1-Lane)
1.600	2.54	5.16	0.00	68.6 (2-Lane)
1.600	3.00	6.06	0.00	81.0 (1-Lane)
1.700	3.07	11.98	0.00	82.8 (2-Lane)
1.700	3.52	13.75	0.00	95.0 (1-Lane)
1.800	2.26	20.17	0.00	60.9 (2-Lane)
1.800	2.59	23.15	0.00	69.9 (1-Lane)
1.900	2.47	71.13	0.00	66.6 (2-Lane)
1.900	2.83	81.64	0.00	76.4 (1-Lane)
1.949	1.84	169.97	0.00	49.7 (2-Lane)
1.949	2.11	195.08	0.00	57.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 436

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	174.7	28.6	169.88 R	0.00	127.73	0.00
1.200	354.4	50.8	296.56 R	0.00	222.98	0.00
1.300	465.1	66.7	380.04 R	0.00	285.75	0.00
1.400	531.6	76.2	433.29 R	0.00	325.78	0.00
1.500	553.7	79.4	445.59 R	0.00	335.03	0.00
1.600	531.6	76.2	433.29 R	0.00	325.78	0.00
1.700	465.1	66.7	380.04 R	0.00	285.75	0.00
1.800	354.4	50.8	296.56 R	0.00	222.98	0.00
1.900	199.3	28.6	169.88 R	0.00	127.73	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 436

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type:	SU4							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00	533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00	713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	99.2	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00

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1.900	249.2	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 439

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance Positive Top	for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU5

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.17	999.00	14.17	999.00	0.00	439.2 (2-Lane)
1.100	18.95	999.00	18.95	999.00	0.00	587.3 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.200	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.300	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.300	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.400	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.400	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.500	4.99	999.00	4.99	999.00	0.00	154.7 (2-Lane)
1.500	6.67	999.00	6.67	999.00	0.00	206.8 (1-Lane)
1.600	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.600	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.700	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.700	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.800	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.900	14.09	999.00	14.09	999.00	0.00	436.9 (2-Lane)
1.900	18.85	999.00	18.85	999.00	0.00	584.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	86.14	0.00	64.77	0.00	75.05	0.00	56.43
1.100	43.8	5.6	80.96	0.00	60.88	0.00	70.54	0.00	53.04
1.200	29.3	4.2	70.32	0.00	52.87	0.00	61.26	0.00	46.06
1.300	19.5	2.8	59.67	0.00	44.86	0.00	51.99	0.00	39.09
1.400	9.8	1.4	49.02	0.00	36.85	0.00	42.71	0.00	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13
1.600	-9.8	-1.4	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11
1.700	-19.5	-2.8	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09
1.800	-29.3	-4.2	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06
1.900	-39.0	-5.6	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04
1.949	-43.7	-12.5	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	96.1	30.6	126.7	-137.8	115.5 (2-Lane)
1.400	99.7	30.6	130.3	-141.5	119.2 (1-Lane)
1.500	58.8	48.2	107.0	-107.0	107.0 (2-Lane)
1.500	59.6	48.2	107.9	-107.9	107.9 (1-Lane)
1.600	96.1	30.6	126.7	-115.5	137.8 (2-Lane)
1.600	99.7	30.6	130.3	-119.2	141.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 443

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.59	0.00	49.2 (2-Lane)
1.051	194.43	1.82	0.00	56.5 (1-Lane)
1.100	70.69	2.08	0.00	64.6 (2-Lane)
1.100	81.13	2.39	0.00	74.1 (1-Lane)
1.200	20.17	2.04	0.00	63.3 (2-Lane)
1.200	23.15	2.34	0.00	72.7 (1-Lane)
1.300	11.20	2.80	0.00	86.7 (2-Lane)
1.300	12.86	3.21	0.00	99.5 (1-Lane)
1.400	4.97	2.36	0.00	73.1 (2-Lane)
1.400	5.86	2.79	0.00	86.5 (1-Lane)
1.500	2.79	2.79	0.00	86.5 (2-Lane)
1.500	3.23	3.23	0.00	100.0 (1-Lane)
1.600	2.36	4.97	0.00	73.1 (2-Lane)
1.600	2.79	5.86	0.00	86.5 (1-Lane)
1.700	2.80	11.20	0.00	86.7 (2-Lane)
1.700	3.21	12.86	0.00	99.5 (1-Lane)
1.800	2.04	20.17	0.00	63.3 (2-Lane)
1.800	2.34	23.15	0.00	72.7 (1-Lane)
1.900	2.22	71.13	0.00	68.9 (2-Lane)
1.900	2.55	81.64	0.00	79.1 (1-Lane)

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1.949	1.65	169.97	0.00	51.3 (2-Lane)
1.949	1.90	195.08	0.00	58.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 444

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80
			(2-Lane)	(1-Lane)

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	79.4	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 444

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)

1.400	25.39	999.00	7.74	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00 174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00 232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00 179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00 239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00 212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00 284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00 291.8 (2-Lane)
1.800	41.40	999.00	12.59	999.00	0.00 390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00 551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00 738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	99.2	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU6

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.42	999.00	13.42	999.00	0.00	466.5 (2-Lane)
1.100	17.95	999.00	17.95	999.00	0.00	623.8 (1-Lane)
1.200	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.200	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.300	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.400	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.400	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.500	4.48	999.00	4.48	999.00	0.00	155.6 (2-Lane)
1.500	5.99	999.00	5.99	999.00	0.00	208.1 (1-Lane)
1.600	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.600	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.700	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.800	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.800	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.900	13.35	999.00	13.35	999.00	0.00	464.0 (2-Lane)
1.900	17.86	999.00	17.86	999.00	0.00	620.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.25	0.00	68.61	0.00	79.51	0.00	59.78	0.00
1.100	43.8	5.6	85.45	0.00	64.25	0.00	74.45	0.00	55.98	0.00
1.200	29.3	4.2	73.51	0.00	55.27	0.00	64.05	0.00	48.16	0.00
1.300	19.5	2.8	61.58	0.00	46.30	0.00	53.65	0.00	40.34	0.00
1.400	9.8	1.4	49.64	0.00	37.32	0.00	43.25	0.00	32.52	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70	0.00
1.600	-9.8	-1.4	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52	0.00
1.700	-19.5	-2.8	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34	0.00
1.800	-29.3	-4.2	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16	0.00
1.900	-39.0	-5.6	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98	0.00
1.949	-43.7	-12.5	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	92.7	30.6	123.3	-134.4	112.2 (2-Lane)
1.400	96.7	30.6	127.3	-138.4	116.1 (1-Lane)
1.500	55.2	48.2	103.4	-103.4	103.4 (2-Lane)
1.500	56.3	48.2	104.5	-104.5	104.5 (1-Lane)
1.600	92.7	30.6	123.3	-112.2	134.5 (2-Lane)
1.600	96.7	30.6	127.3	-116.1	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.50	0.00	52.1 (2-Lane)
1.051	287.42	1.72	0.00	59.8 (1-Lane)
1.100	119.54	1.97	0.00	68.6 (2-Lane)
1.100	137.20	2.27	0.00	78.7 (1-Lane)
1.200	25.49	1.95	0.00	67.9 (2-Lane)
1.200	29.25	2.24	0.00	77.9 (1-Lane)
1.300	12.48	2.71	0.00	94.1 (2-Lane)
1.300	14.32	3.11	0.00	108.0 (1-Lane)
1.400	5.00	2.26	0.00	78.5 (2-Lane)
1.400	5.91	2.68	0.00	93.3 (1-Lane)
1.500	2.74	2.74	0.00	95.3 (2-Lane)
1.500	3.18	3.18	0.00	110.6 (1-Lane)
1.600	2.26	5.00	0.00	78.5 (2-Lane)
1.600	2.68	5.91	0.00	93.3 (1-Lane)
1.700	2.71	12.48	0.00	94.1 (2-Lane)
1.700	3.11	14.32	0.00	108.0 (1-Lane)
1.800	1.95	25.49	0.00	67.9 (2-Lane)
1.800	2.24	29.25	0.00	77.9 (1-Lane)
1.900	2.11	120.28	0.00	73.2 (2-Lane)
1.900	2.42	138.05	0.00	84.0 (1-Lane)
1.949	1.56	251.26	0.00	54.3 (2-Lane)
1.949	1.79	288.39	0.00	62.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	79.4	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 452

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	99.2	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 455

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	497.1 (2-Lane)
1.100	17.16	999.00	17.16	999.00	0.00	664.8 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.200	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.300	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.300	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.400	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.400	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.8 (2-Lane)
1.500	5.52	999.00	5.52	999.00	0.00	213.8 (1-Lane)
1.600	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.600	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.700	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.700	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.800	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.900	12.76	999.00	12.76	999.00	0.00	494.5 (2-Lane)
1.900	17.07	999.00	17.07	999.00	0.00	661.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75		(1-Lane) LL 1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	95.88	0.00	72.09	83.54
1.100	43.8	5.6	89.41	0.00	67.23	77.90
1.200	29.3	4.2	76.10	0.00	57.22	66.30

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1.300	19.5	2.8	62.78	0.00	47.21	0.00	54.70	0.00	41.13
1.400	9.8	1.4	49.47	0.00	37.20	0.00	43.10	0.00	32.41
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05
1.600	-9.8	-1.4	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41
1.700	-19.5	-2.8	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13
1.800	-29.3	-4.2	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85
1.900	-39.0	-5.6	-89.41	0.00	-67.23	0.00	-77.90	0.00	-58.57
1.949	-43.7	-12.5	-95.88	0.00	-72.09	0.00	-83.54	0.00	-62.81
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.2	30.6	119.8	-131.0	108.7 (2-Lane)
1.400	93.4	30.6	124.0	-135.2	112.9 (1-Lane)
1.500	52.1	48.2	100.3	-100.3	100.3 (2-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (1-Lane)
1.600	89.2	30.6	119.8	-108.7	131.0 (2-Lane)
1.600	93.4	30.6	124.0	-112.9	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-INV

Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.43	0.00	55.3 (2-Lane)
1.051	287.42	1.64	0.00	63.4 (1-Lane)
1.100	135.39	1.89	0.00	73.1 (2-Lane)
1.100	155.39	2.16	0.00	83.9 (1-Lane)
1.200	33.65	1.89	0.00	73.1 (2-Lane)
1.200	38.62	2.17	0.00	83.9 (1-Lane)
1.300	14.32	2.66	0.00	102.9 (2-Lane)
1.300	16.43	3.05	0.00	118.2 (1-Lane)
1.400	5.16	2.20	0.00	85.1 (2-Lane)
1.400	6.11	2.62	0.00	101.5 (1-Lane)
1.500	2.73	2.73	0.00	105.8 (2-Lane)
1.500	3.17	3.17	0.00	123.0 (1-Lane)
1.600	2.20	5.16	0.00	85.1 (2-Lane)
1.600	2.62	6.11	0.00	101.5 (1-Lane)
1.700	2.66	14.32	0.00	102.9 (2-Lane)
1.700	3.05	16.43	0.00	118.2 (1-Lane)
1.800	1.89	33.65	0.00	73.1 (2-Lane)
1.800	2.17	38.62	0.00	83.9 (1-Lane)
1.900	2.01	136.23	0.00	78.0 (2-Lane)
1.900	2.31	156.36	0.00	89.5 (1-Lane)
1.949	1.49	251.26	0.00	57.6 (2-Lane)
1.949	1.71	288.39	0.00	66.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-IN
 Rating Live Load: SU7

Gamma	DC	DW	LL		(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	79.4	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: SU7
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-INV S
 Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)

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1.700	18.89	999.00	5.75	999.00	0.00 222.8 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00 298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00 318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00 425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00 624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00 835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: HL93

		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	99.2	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	Rating top fiber +bend	Factor fiber -bend	Rating bottom fiber +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.5 (2-Lane)
1.100	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)

1.200	9.77	999.00	9.77	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 351.7 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00 200.7 (2-Lane)
1.300	7.45	999.00	7.45	999.00	0.00 268.4 (1-Lane)
1.400	4.88	999.00	4.88	999.00	0.00 175.5 (2-Lane)
1.400	6.52	999.00	6.52	999.00	0.00 234.7 (1-Lane)
1.500	4.77	999.00	4.77	999.00	0.00 171.7 (2-Lane)
1.500	6.38	999.00	6.38	999.00	0.00 229.6 (1-Lane)
1.600	4.88	999.00	4.88	999.00	0.00 175.5 (2-Lane)
1.600	6.52	999.00	6.52	999.00	0.00 234.7 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00 200.7 (2-Lane)
1.700	7.45	999.00	7.45	999.00	0.00 268.4 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00 263.0 (2-Lane)
1.800	9.77	999.00	9.77	999.00	0.00 351.7 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00 475.0 (2-Lane)
1.900	17.65	999.00	17.65	999.00	0.00 635.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.11	0.00	72.55	0.00	79.38	0.00	63.21	0.00
1.100	43.8	5.6	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	29.3	4.2	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	19.5	2.8	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	9.8	1.4	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-9.8	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-19.5	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00
1.800	-29.3	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82	0.00
1.900	-39.0	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75	0.00
1.949	-43.7	-12.5	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.0	30.6	123.6	-134.7	112.4 (2-Lane)
1.400	96.8	30.6	127.3	-138.5	116.2 (1-Lane)
1.500	55.4	48.2	103.7	-103.7	103.7 (2-Lane)
1.500	56.4	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.0	30.6	123.6	-112.4	134.7 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.50	0.00	54.0 (2-Lane)
1.051	133.90	1.72	0.00	62.0 (1-Lane)
1.100	62.31	1.99	0.00	71.5 (2-Lane)
1.100	71.52	2.28	0.00	82.1 (1-Lane)
1.200	18.08	1.99	0.00	71.6 (2-Lane)
1.200	20.75	2.28	0.00	82.1 (1-Lane)
1.300	11.03	2.78	0.00	100.1 (2-Lane)
1.300	12.66	3.19	0.00	114.9 (1-Lane)
1.400	4.98	2.34	0.00	84.2 (2-Lane)
1.400	5.87	2.77	0.00	99.9 (1-Lane)
1.500	2.84	2.84	0.00	102.1 (2-Lane)
1.500	3.29	3.29	0.00	118.3 (1-Lane)
1.600	2.34	4.98	0.00	84.2 (2-Lane)
1.600	2.77	5.87	0.00	99.9 (1-Lane)
1.700	2.78	11.03	0.00	100.1 (2-Lane)
1.700	3.19	12.66	0.00	114.9 (1-Lane)
1.800	1.99	18.08	0.00	71.6 (2-Lane)
1.800	2.28	20.75	0.00	82.1 (1-Lane)
1.900	2.12	60.16	0.00	76.3 (2-Lane)
1.900	2.43	69.05	0.00	87.6 (1-Lane)
1.949	1.57	114.54	0.00	56.3 (2-Lane)
1.949	1.80	131.46	0.00	64.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 469

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	99.2	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 470

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7

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1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)	
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	16.34	999.00	16.34	999.00	326.87	588.4	(2-Lane)
1.100	21.86	999.00	21.86	999.00	437.14	786.9	(1-Lane)
1.200	9.05	999.00	9.05	999.00	180.97	325.8	(2-Lane)
1.200	12.10	999.00	12.10	999.00	242.03	435.7	(1-Lane)
1.300	6.96	999.00	6.96	999.00	139.12	250.4	(2-Lane)
1.300	9.30	999.00	9.30	999.00	186.06	334.9	(1-Lane)
1.400	6.11	999.00	6.11	999.00	122.21	220.0	(2-Lane)
1.400	8.17	999.00	8.17	999.00	163.44	294.2	(1-Lane)
1.500	6.01	999.00	6.01	999.00	120.29	216.5	(2-Lane)
1.500	8.04	999.00	8.04	999.00	160.87	289.6	(1-Lane)
1.600	6.11	999.00	6.11	999.00	122.21	220.0	(2-Lane)
1.600	8.17	999.00	8.17	999.00	163.44	294.2	(1-Lane)
1.700	6.96	999.00	6.96	999.00	139.12	250.4	(2-Lane)
1.700	9.30	999.00	9.30	999.00	186.06	334.9	(1-Lane)
1.800	9.05	999.00	9.05	999.00	180.97	325.8	(2-Lane)
1.800	12.10	999.00	12.10	999.00	242.03	435.7	(1-Lane)
1.900	16.26	999.00	16.26	999.00	325.14	585.3	(2-Lane)
1.900	21.74	999.00	21.74	999.00	434.84	782.7	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.82	0.00	56.26	0.00
1.100	43.8	5.6	70.18	0.00	52.77	0.00
1.200	29.3	4.2	60.64	0.00	45.60	0.00
1.300	19.5	2.8	51.10	0.00	38.42	0.00
1.400	9.8	1.4	41.56	0.00	31.25	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00
1.600	-9.8	-1.4	-41.56	0.00	-31.25	0.00
1.700	-19.5	-2.8	-51.10	0.00	-38.42	0.00
1.800	-29.3	-4.2	-60.64	0.00	-45.60	0.00
1.900	-39.0	-5.6	-70.18	0.00	-52.77	0.00
1.949	-43.7	-12.5	-74.82	0.00	-56.26	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.8	30.6	124.3	-135.5	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.3	116.0 (1-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (2-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (1-Lane)
1.600	93.8	30.6	124.3	-113.2	135.5 (2-Lane)
1.600	96.6	30.6	127.2	-116.0	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.83	36.55	65.8 (2-Lane)
1.051	133.90	2.10	41.95	75.5 (1-Lane)
1.100	63.07	2.40	48.05	86.5 (2-Lane)
1.100	72.39	2.76	55.14	99.3 (1-Lane)
1.200	24.82	2.37	47.35	85.2 (2-Lane)
1.200	28.49	2.72	54.35	97.8 (1-Lane)
1.300	14.10	3.26	65.28	117.5 (2-Lane)
1.300	16.19	3.75	74.93	134.9 (1-Lane)
1.400	5.77	2.72	54.47	98.0 (2-Lane)
1.400	6.76	3.20	64.07	115.3 (1-Lane)
1.500	3.23	3.23	64.68	116.4 (2-Lane)
1.500	3.72	3.72	74.38	133.9 (1-Lane)
1.600	2.72	5.77	54.47	98.0 (2-Lane)
1.600	3.20	6.76	64.08	115.3 (1-Lane)
1.700	3.26	14.10	65.28	117.5 (2-Lane)
1.700	3.75	16.19	74.93	134.9 (1-Lane)
1.800	2.37	24.82	47.35	85.2 (2-Lane)
1.800	2.72	28.49	54.35	97.8 (1-Lane)
1.900	2.56	63.46	51.27	92.3 (2-Lane)
1.900	2.94	72.84	58.84	105.9 (1-Lane)
1.949	1.90	117.05	38.10	68.6 (2-Lane)
1.949	2.19	134.35	43.73	78.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC		DW		(2-Lane)	(1-Lane)
	LL		LL		LL	LL
	1.25		1.25		1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	259.52 R	0.00	195.13	0.00 R	0.00	0.00
1.200	443.0	63.5	451.54 R	0.00	339.51	0.00 R	0.00	0.00
1.300	581.4	83.3	576.07 R	0.00	433.13	0.00 R	0.00	0.00

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1.400	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95
1.500	692.1	99.2	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43
1.600	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95
1.700	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87
1.800	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86
1.900	249.2	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.51	999.00	22.51	999.00	0.00	562.8 (2-Lane)
1.100	30.11	999.00	30.11	999.00	0.00	752.7 (1-Lane)
1.200	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.200	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.300	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.300	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.400	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.500	8.03	999.00	8.03	999.00	0.00	200.8 (2-Lane)
1.500	10.74	999.00	10.74	999.00	0.00	268.5 (1-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.600	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.700	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.700	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.800	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.800	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.900	22.40	999.00	22.40	999.00	0.00	559.9 (2-Lane)
1.900	29.95	999.00	29.95	999.00	0.00	748.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3
 Gamma DC DW (2-Lane) (1-Lane)
 1.25 1.25 LL LL
 1.35 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	54.17	40.73	0.00	47.20
1.100	43.8	5.6	50.95	0.00	38.31	0.00
1.200	29.3	4.2	44.32	0.00	33.33	0.00
1.300	19.5	2.8	37.70	0.00	28.34	0.00
1.400	9.8	1.4	31.07	0.00	23.36	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00
1.600	-9.8	-1.4	-31.07	0.00	-23.36	0.00
1.700	-19.5	-2.8	-37.70	0.00	-28.34	0.00
1.800	-29.3	-4.2	-44.32	0.00	-33.33	0.00
1.900	-39.0	-5.6	-50.95	0.00	-38.31	0.00
1.949	-43.7	-12.5	-54.17	0.00	-40.73	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
 Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.3	108.0 (2-Lane)
1.400	90.3	30.6	120.8	-132.0	109.7 (1-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.6	30.6	119.2	-108.0	130.3 (2-Lane)
1.600	90.3	30.6	120.8	-109.7	132.0 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
 Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.52	0.00	63.1 (2-Lane)
1.051	252.04	2.90	0.00	72.4 (1-Lane)
1.100	91.64	3.31	0.00	82.7 (2-Lane)
1.100	105.17	3.80	0.00	95.0 (1-Lane)
1.200	28.35	3.24	0.00	81.0 (2-Lane)
1.200	32.54	3.72	0.00	92.9 (1-Lane)
1.300	17.72	4.43	0.00	110.6 (2-Lane)
1.300	20.34	5.08	0.00	127.0 (1-Lane)
1.400	7.31	3.48	0.00	86.9 (2-Lane)
1.400	8.50	4.05	0.00	101.3 (1-Lane)
1.500	4.03	4.03	0.00	100.6 (2-Lane)
1.500	4.59	4.59	0.00	114.8 (1-Lane)
1.600	3.48	7.31	0.00	86.9 (2-Lane)
1.600	4.05	8.50	0.00	101.3 (1-Lane)
1.700	4.43	17.72	0.00	110.6 (2-Lane)
1.700	5.08	20.34	0.00	127.0 (1-Lane)
1.800	3.24	28.35	0.00	81.0 (2-Lane)

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1.800	3.72	32.54	0.00	92.9 (1-Lane)
1.900	3.53	92.21	0.00	88.3 (2-Lane)
1.900	4.05	105.83	0.00	101.3 (1-Lane)
1.949	2.63	220.33	0.00	65.8 (2-Lane)
1.949	3.02	252.89	0.00	75.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	99.2	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.08	999.00	19.08	999.00	0.00	763.1 (2-Lane)
1.100	25.51	999.00	25.51	999.00	0.00	999.0 (1-Lane)
1.200	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.200	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.300	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.300	11.00	999.00	11.00	999.00	0.00	440.0 (1-Lane)

1.400	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.500	7.39	999.00	7.39	999.00	0.00	295.7 (2-Lane)
1.500	9.89	999.00	9.89	999.00	0.00	395.5 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.700	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.700	11.00	999.00	11.00	999.00	0.00	440.0 (1-Lane)
1.800	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.800	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.900	18.98	999.00	18.98	999.00	0.00	759.1 (2-Lane)
1.900	25.38	999.00	25.38	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	43.8	5.6	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	29.3	4.2	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	19.5	2.8	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	9.8	1.4	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-9.8	-1.4	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-19.5	-2.8	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-29.3	-4.2	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-39.0	-5.6	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-43.7	-12.5	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	83.9	30.6	114.5	-125.7	103.4 (2-Lane)
1.400	86.1	30.6	116.6	-127.8	105.5 (1-Lane)
1.500	45.0	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.7	48.2	92.9	-92.9	92.9 (1-Lane)
1.600	83.9	30.6	114.5	-103.4	125.7 (2-Lane)
1.600	86.1	30.6	116.6	-105.5	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.63	0.00	105.1 (2-Lane)
1.051	252.04	3.02	0.00	120.6 (1-Lane)
1.100	91.64	2.80	0.00	112.2 (2-Lane)
1.100	105.17	3.22	0.00	128.7 (1-Lane)
1.200	28.35	2.90	0.00	116.0 (2-Lane)
1.200	32.54	3.33	0.00	133.1 (1-Lane)
1.300	17.72	4.25	0.00	169.9 (2-Lane)
1.300	20.34	4.88	0.00	195.0 (1-Lane)
1.400	7.65	3.39	0.00	135.5 (2-Lane)
1.400	8.92	3.97	0.00	158.8 (1-Lane)
1.500	4.26	4.26	0.00	170.3 (2-Lane)
1.500	4.87	4.87	0.00	194.8 (1-Lane)
1.600	3.39	7.65	0.00	135.5 (2-Lane)
1.600	3.97	8.92	0.00	158.8 (1-Lane)
1.700	4.25	17.72	0.00	169.9 (2-Lane)
1.700	4.88	20.34	0.00	195.0 (1-Lane)
1.800	2.90	28.35	0.00	116.0 (2-Lane)
1.800	3.33	32.54	0.00	133.1 (1-Lane)
1.900	2.99	92.21	0.00	119.7 (2-Lane)
1.900	3.43	105.83	0.00	137.4 (1-Lane)
1.949	2.18	220.33	0.00	87.3 (2-Lane)
1.949	2.51	252.89	0.00	100.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	692.1	99.2	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	249.2	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	889.2 (2-Lane)
1.100	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.200	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.300	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.300	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.400	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.400	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	350.5 (2-Lane)
1.500	11.72	999.00	11.72	999.00	0.00	468.8 (1-Lane)
1.600	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.600	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.700	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.700	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.800	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	884.5 (2-Lane)
1.900	29.57	999.00	29.57	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	55.98	0.00	42.09	0.00
1.100	43.8	5.6	51.60	0.00	38.80	0.00
1.200	29.3	4.2	42.59	0.00	32.02	0.00
1.300	19.5	2.8	33.58	0.00	25.25	0.00
1.400	9.8	1.4	26.21	0.00	19.71	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00
1.600	-9.8	-1.4	-26.21	0.00	-19.71	0.00
1.700	-19.5	-2.8	-33.58	0.00	-25.25	0.00
1.800	-29.3	-4.2	-42.59	0.00	-32.02	0.00
1.900	-39.0	-5.6	-51.60	0.00	-38.80	0.00
1.949	-43.7	-12.5	-55.98	0.00	-42.09	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: 3-3

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I	
			(-)	(+)

1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	84.2	30.6	114.8	-126.0	103.7 (2-Lane)
1.400	85.5	30.6	116.1	-127.2	104.9 (1-Lane)
1.500	45.2	48.2	93.4	-93.4	93.4 (2-Lane)
1.500	44.5	48.2	92.7	-92.7	92.7 (1-Lane)
1.600	84.2	30.6	114.8	-103.7	126.0 (2-Lane)
1.600	85.5	30.6	116.1	-104.9	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	266.65	2.44	0.00	97.7 (2-Lane)
1.051	306.05	2.80	0.00	112.1 (1-Lane)
1.100	111.27	3.27	0.00	130.7 (2-Lane)
1.100	127.71	3.75	0.00	150.0 (1-Lane)
1.200	34.43	3.37	0.00	134.8 (2-Lane)
1.200	39.51	3.87	0.00	154.8 (1-Lane)
1.300	21.52	4.97	0.00	198.7 (2-Lane)
1.300	24.70	5.70	0.00	228.1 (1-Lane)
1.400	8.66	3.95	0.00	158.2 (2-Lane)
1.400	10.04	4.60	0.00	183.8 (1-Lane)
1.500	4.58	4.58	0.00	183.3 (2-Lane)
1.500	5.22	5.22	0.00	208.8 (1-Lane)
1.600	3.96	8.66	0.00	158.2 (2-Lane)
1.600	4.60	10.04	0.00	183.8 (1-Lane)
1.700	4.97	21.52	0.00	198.7 (2-Lane)
1.700	5.70	24.70	0.00	228.1 (1-Lane)
1.800	3.37	34.43	0.00	134.8 (2-Lane)
1.800	3.87	39.51	0.00	154.8 (1-Lane)
1.900	3.49	111.96	0.00	139.5 (2-Lane)
1.900	4.00	128.51	0.00	160.1 (1-Lane)
1.949	2.55	267.55	0.00	101.9 (2-Lane)
1.949	2.92	307.08	0.00	116.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00
1.200	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00
1.300	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00
1.400	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00
1.500	692.1	99.2	751.93 R	0.00	565.36	0.00	562.25 R	0.00
1.600	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00
1.700	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.800	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35
1.900	249.2	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.9999999_20120831cy17_01of01

Member I. D.G03

Rating Type:I-OPER

Rating Live Load:SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT RESISTANCE RATING REPORT

Structure I. D.9999999_20120831cy17_01of01

Member I. D.G03

Rating Type:I-OPER

Rating Live Load:SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.38	999.00	20.38	999.00	0.00	550.3 (2-Lane)
1.100	27.26	999.00	27.26	999.00	0.00	736.0 (1-Lane)
1.200	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.200	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.300	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.500	7.06	999.00	7.06	999.00	0.00	190.5 (2-Lane)
1.500	9.44	999.00	9.44	999.00	0.00	254.8 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.700	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.800	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.800	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.900	20.27	999.00	20.27	999.00	0.00	547.4 (2-Lane)
1.900	27.11	999.00	27.11	999.00	0.00	732.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.9999999_20120831cy17_01of01

Member I. D.G03

Rating Type:I-OPER

Rating Live Load:SU4

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25		1.25		1.35	1.35

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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	43.8	5.6	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	29.3	4.2	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	19.5	2.8	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	9.8	1.4	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-9.8	-1.4	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-19.5	-2.8	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-29.3	-4.2	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-39.0	-5.6	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-43.7	-12.5	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 501

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	90.5	30.6	121.1	-132.2	109.9 (2-Lane)
1.400	92.6	30.6	123.1	-134.3	112.0 (1-Lane)
1.500	52.6	48.2	100.8	-100.8	100.8 (2-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (1-Lane)
1.600	90.5	30.6	121.1	-109.9	132.2 (2-Lane)
1.600	92.6	30.6	123.1	-112.0	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.29	0.00	61.8 (2-Lane)
1.051	252.04	2.63	0.00	70.9 (1-Lane)
1.100	91.64	3.00	0.00	80.9 (2-Lane)
1.100	105.17	3.44	0.00	92.8 (1-Lane)
1.200	26.14	2.92	0.00	78.9 (2-Lane)
1.200	30.01	3.36	0.00	90.6 (1-Lane)
1.300	15.53	3.97	0.00	107.3 (2-Lane)
1.300	17.82	4.56	0.00	123.2 (1-Lane)
1.400	6.45	3.16	0.00	85.2 (2-Lane)
1.400	7.52	3.69	0.00	99.7 (1-Lane)
1.500	3.65	3.65	0.00	98.4 (2-Lane)
1.500	4.17	4.17	0.00	112.7 (1-Lane)
1.600	3.16	6.45	0.00	85.2 (2-Lane)
1.600	3.69	7.52	0.00	99.7 (1-Lane)
1.700	3.97	15.53	0.00	107.3 (2-Lane)
1.700	4.56	17.82	0.00	123.2 (1-Lane)
1.800	2.92	26.14	0.00	78.9 (2-Lane)
1.800	3.36	30.01	0.00	90.6 (1-Lane)
1.900	3.20	92.21	0.00	86.3 (2-Lane)
1.900	3.67	105.83	0.00	99.1 (1-Lane)

1.949	2.38	220.33	0.00	64.4 (2-Lane)
1.949	2.74	252.89	0.00	73.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	99.2	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 505

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 506

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU5

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.36	999.00	18.36	999.00	0.00	569.3 (2-Lane)
1.100	24.56	999.00	24.56	999.00	0.00	761.4 (1-Lane)
1.200	10.12	999.00	10.12	999.00	0.00	313.6 (2-Lane)
1.200	13.53	999.00	13.53	999.00	0.00	419.4 (1-Lane)
1.300	7.64	999.00	7.64	999.00	0.00	236.9 (2-Lane)
1.300	10.22	999.00	10.22	999.00	0.00	316.8 (1-Lane)
1.400	6.61	999.00	6.61	999.00	0.00	204.9 (2-Lane)
1.400	8.84	999.00	8.84	999.00	0.00	274.0 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.500	6.47	999.00	6.47	999.00	0.00 200.5 (2-Lane)
1.500	8.65	999.00	8.65	999.00	0.00 268.1 (1-Lane)
1.600	6.61	999.00	6.61	999.00	0.00 204.9 (2-Lane)
1.600	8.84	999.00	8.84	999.00	0.00 274.0 (1-Lane)
1.700	7.64	999.00	7.64	999.00	0.00 236.9 (2-Lane)
1.700	10.22	999.00	10.22	999.00	0.00 316.8 (1-Lane)
1.800	10.12	999.00	10.12	999.00	0.00 313.6 (2-Lane)
1.800	13.53	999.00	13.53	999.00	0.00 419.4 (1-Lane)
1.900	18.27	999.00	18.27	999.00	0.00 566.3 (2-Lane)
1.900	24.43	999.00	24.43	999.00	0.00 757.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 507

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU5

		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35		1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	5.6	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.2	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	2.8	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.4	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.4	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-2.8	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.2	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-5.6	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-12.5	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.4	30.6	122.0	-133.1	110.8 (2-Lane)
1.400	93.9	30.6	124.5	-135.6	113.3 (1-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (2-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (1-Lane)
1.600	91.4	30.6	122.0	-110.8	133.1 (2-Lane)
1.600	93.9	30.6	124.5	-113.3	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.06	0.00	63.8 (2-Lane)
1.051	252.04	2.36	0.00	73.2 (1-Lane)
1.100	91.64	2.70	0.00	83.7 (2-Lane)
1.100	105.17	3.10	0.00	96.0 (1-Lane)
1.200	26.14	2.65	0.00	82.1 (2-Lane)
1.200	30.01	3.04	0.00	94.2 (1-Lane)
1.300	14.52	3.62	0.00	112.3 (2-Lane)
1.300	16.67	4.16	0.00	128.9 (1-Lane)
1.400	6.23	2.93	0.00	90.9 (2-Lane)
1.400	7.28	3.44	0.00	106.6 (1-Lane)
1.500	3.44	3.44	0.00	106.7 (2-Lane)
1.500	3.95	3.95	0.00	122.4 (1-Lane)
1.600	2.93	6.23	0.00	90.9 (2-Lane)
1.600	3.44	7.28	0.00	106.6 (1-Lane)
1.700	3.62	14.52	0.00	112.3 (2-Lane)
1.700	4.16	16.67	0.00	128.9 (1-Lane)
1.800	2.65	26.14	0.00	82.1 (2-Lane)
1.800	3.04	30.01	0.00	94.2 (1-Lane)
1.900	2.88	92.21	0.00	89.3 (2-Lane)
1.900	3.31	105.83	0.00	102.5 (1-Lane)
1.949	2.14	220.33	0.00	66.5 (2-Lane)
1.949	2.46	252.89	0.00	76.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00
1.200	443.0	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.300	581.4	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.400	664.5	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.500	692.1	99.2	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00
1.600	664.5	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.700	581.4	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.800	443.0	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.900	249.2	35.7	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.40	999.00	17.40	999.00	0.00	604.7 (2-Lane)
1.100	23.27	999.00	23.27	999.00	0.00	808.7 (1-Lane)
1.200	9.23	999.00	9.23	999.00	0.00	320.7 (2-Lane)
1.200	12.34	999.00	12.34	999.00	0.00	428.9 (1-Lane)
1.300	6.90	999.00	6.90	999.00	0.00	239.9 (2-Lane)
1.300	9.23	999.00	9.23	999.00	0.00	320.8 (1-Lane)
1.400	6.01	999.00	6.01	999.00	0.00	208.9 (2-Lane)
1.400	8.04	999.00	8.04	999.00	0.00	279.4 (1-Lane)
1.500	5.80	999.00	5.80	999.00	0.00	201.7 (2-Lane)
1.500	7.76	999.00	7.76	999.00	0.00	269.7 (1-Lane)
1.600	6.01	999.00	6.01	999.00	0.00	208.9 (2-Lane)
1.600	8.04	999.00	8.04	999.00	0.00	279.4 (1-Lane)
1.700	6.90	999.00	6.90	999.00	0.00	239.9 (2-Lane)
1.700	9.23	999.00	9.23	999.00	0.00	320.8 (1-Lane)
1.800	9.23	999.00	9.23	999.00	0.00	320.7 (2-Lane)
1.800	12.34	999.00	12.34	999.00	0.00	428.9 (1-Lane)
1.900	17.31	999.00	17.31	999.00	0.00	601.5 (2-Lane)
1.900	23.15	999.00	23.15	999.00	0.00	804.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU6

Rating Live Load:		Superimposed Dead Load:		(2-Lane)		(1-Lane)	
Gamma	DC	DW		LL		LL	
	1.25	1.25		1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.40	0.00	52.93	0.00	46.12
1.100	43.8	5.6	65.92	0.00	49.56	0.00	43.18
1.200	29.3	4.2	56.71	0.00	42.64	0.00	37.15
1.300	19.5	2.8	47.50	0.00	35.71	0.00	31.12
1.400	9.8	1.4	38.29	0.00	28.79	0.00	25.08
1.500	0.0	0.0	29.08	0.00	21.87	0.00	19.05
1.600	-9.8	-1.4	-38.29	0.00	-28.79	0.00	-25.08
1.700	-19.5	-2.8	-47.50	0.00	-35.71	0.00	-31.12
1.800	-29.3	-4.2	-56.71	0.00	-42.64	0.00	-37.15
1.900	-39.0	-5.6	-65.92	0.00	-49.56	0.00	-43.18
1.949	-43.7	-12.5	-70.40	0.00	-52.93	0.00	-46.12
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)

1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.4	108.1 (2-Lane)
1.400	91.5	30.6	122.1	-133.2	110.9 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	50.9	48.2	99.2	-99.2	99.2 (1-Lane)
1.600	88.6	30.6	119.2	-108.1	130.4 (2-Lane)
1.600	91.5	30.6	122.1	-110.9	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.94	0.00	67.5 (2-Lane)
1.051	372.58	2.23	0.00	77.5 (1-Lane)
1.100	154.95	2.56	0.00	88.9 (2-Lane)
1.100	177.85	2.94	0.00	102.0 (1-Lane)
1.200	33.04	2.53	0.00	88.0 (2-Lane)
1.200	37.92	2.91	0.00	101.0 (1-Lane)
1.300	16.18	3.51	0.00	122.0 (2-Lane)
1.300	18.57	4.03	0.00	140.1 (1-Lane)
1.400	6.28	2.82	0.00	98.1 (2-Lane)
1.400	7.37	3.32	0.00	115.5 (1-Lane)
1.500	3.40	3.40	0.00	118.2 (2-Lane)
1.500	3.91	3.91	0.00	136.0 (1-Lane)
1.600	2.82	6.28	0.00	98.1 (2-Lane)
1.600	3.32	7.37	0.00	115.5 (1-Lane)
1.700	3.51	16.18	0.00	122.0 (2-Lane)
1.700	4.03	18.57	0.00	140.1 (1-Lane)
1.800	2.53	33.04	0.00	88.0 (2-Lane)
1.800	2.91	37.92	0.00	101.0 (1-Lane)
1.900	2.73	155.92	0.00	94.8 (2-Lane)
1.900	3.13	178.95	0.00	108.9 (1-Lane)
1.949	2.03	325.71	0.00	70.4 (2-Lane)
1.949	2.32	373.83	0.00	80.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 518

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL	1.35	LL	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00
1.200	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00
1.300	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00
1.400	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00
1.500	692.1	99.2	992.18 R	0.00	746.00	0.00	741.88 R	0.00
1.600	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00
1.700	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00
1.800	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00
1.900	249.2	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance		Bending		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.63	999.00	16.63	999.00	644.4 (2-Lane)
1.100	22.24	999.00	22.24	999.00	861.8 (1-Lane)
1.200	8.82	999.00	8.82	999.00	341.8 (2-Lane)
1.200	11.80	999.00	11.80	999.00	457.2 (1-Lane)
1.300	6.41	999.00	6.41	999.00	248.5 (2-Lane)
1.300	8.58	999.00	8.58	999.00	332.3 (1-Lane)
1.400	5.57	999.00	5.57	999.00	215.8 (2-Lane)
1.400	7.45	999.00	7.45	999.00	288.6 (1-Lane)
1.500	5.35	999.00	5.35	999.00	207.2 (2-Lane)
1.500	7.15	999.00	7.15	999.00	277.1 (1-Lane)
1.600	5.57	999.00	5.57	999.00	215.8 (2-Lane)
1.600	7.45	999.00	7.45	999.00	288.6 (1-Lane)
1.700	6.41	999.00	6.41	999.00	248.5 (2-Lane)
1.700	8.58	999.00	8.58	999.00	332.3 (1-Lane)
1.800	8.82	999.00	8.82	999.00	341.8 (2-Lane)
1.800	11.80	999.00	11.80	999.00	457.2 (1-Lane)
1.900	16.54	999.00	16.54	999.00	641.0 (2-Lane)
1.900	22.12	999.00	22.12	999.00	857.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	5.6	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.2	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	2.8	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.4	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-12.5	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU7

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	-211.4	166.8 (1-Lane)
1.400	85.7	30.6	-127.4	105.1 (2-Lane)
1.400	88.8	30.6	-130.5	108.2 (1-Lane)
1.500	48.0	48.2	-96.3	96.3 (2-Lane)
1.500	48.5	48.2	-96.8	96.8 (1-Lane)
1.600	85.7	30.6	-105.1	127.4 (2-Lane)
1.600	88.8	30.6	-108.2	130.5 (1-Lane)
1.700	106.5	82.6	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-OPER
Rating Live Load: SU7

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.85	0.00	71.6 (2-Lane)
1.051	372.58	2.12	0.00	82.2 (1-Lane)
1.100	175.50	2.44	0.00	94.7 (2-Lane)
1.100	201.43	2.81	0.00	108.7 (1-Lane)
1.200	43.62	2.45	0.00	94.8 (2-Lane)
1.200	50.06	2.81	0.00	108.8 (1-Lane)
1.300	18.56	3.44	0.00	133.5 (2-Lane)
1.300	21.30	3.95	0.00	153.2 (1-Lane)
1.400	6.51	2.75	0.00	106.7 (2-Lane)
1.400	7.65	3.25	0.00	126.1 (1-Lane)
1.500	3.40	3.40	0.00	131.7 (2-Lane)
1.500	3.92	3.92	0.00	151.9 (1-Lane)
1.600	2.75	6.51	0.00	106.7 (2-Lane)
1.600	3.25	7.65	0.00	126.1 (1-Lane)
1.700	3.44	18.56	0.00	133.5 (2-Lane)
1.700	3.95	21.30	0.00	153.2 (1-Lane)
1.800	2.45	43.62	0.00	94.8 (2-Lane)
1.800	2.81	50.06	0.00	108.8 (1-Lane)
1.900	2.61	176.60	0.00	101.1 (2-Lane)
1.900	2.99	202.69	0.00	116.0 (1-Lane)
1.949	1.93	325.71	0.00	74.7 (2-Lane)
1.949	2.21	373.83	0.00	85.7 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	346.03 R	260.17	258.74 R	194.54
1.200	443.0	63.5	602.06 R	452.67	450.18 R	338.48
1.300	581.4	83.3	768.09 R	577.51	574.33 R	431.83
1.400	664.5	95.2	863.15 R	648.98	645.41 R	485.27
1.500	692.1	99.2	880.89 R	662.32	658.67 R	495.24
1.600	664.5	95.2	863.15 R	648.98	645.41 R	485.27
1.700	581.4	83.3	768.09 R	577.51	574.33 R	431.83
1.800	443.0	63.5	602.06 R	452.67	450.18 R	338.48
1.900	249.2	35.7	346.03 R	260.17	258.74 R	194.54
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.89	999.00	16.89	999.00	0.00	422.1 (2-Lane)
1.100	22.58	999.00	22.58	999.00	0.00	564.6 (1-Lane)
1.200	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)
1.200	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.300	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.300	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.400	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.400	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	150.6 (2-Lane)
1.500	8.06	999.00	8.06	999.00	0.00	201.4 (1-Lane)
1.600	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)

1.600	8.27	999.00	8.27	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	206.7 (1-Lane)
1.700	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.700	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.800	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)
1.800	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.900	16.80	999.00	16.80	999.00	0.00	419.9 (2-Lane)
1.900	22.46	999.00	22.46	999.00	0.00	561.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.22	54.30	62.93	47.31
1.100	43.8	5.6	67.93	51.08	59.19	44.50
1.200	29.3	4.2	59.10	44.43	51.49	38.71
1.300	19.5	2.8	50.26	37.79	43.79	32.93
1.400	9.8	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-5.6	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-12.5	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.0	30.6	124.6	-135.8	113.5 (2-Lane)
1.400	96.8	30.6	127.4	-138.5	116.2 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	94.0	30.6	124.6	-113.5	135.8 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance
------	---------------	---------------	-----------------	--------------------

(tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.89	0.00	47.3 (2-Lane)
1.051	189.03	2.17	0.00	54.3 (1-Lane)
1.100	68.73	2.48	0.00	62.0 (2-Lane)
1.100	78.88	2.85	0.00	71.2 (1-Lane)
1.200	21.26	2.43	0.00	60.7 (2-Lane)
1.200	24.40	2.79	0.00	69.7 (1-Lane)
1.300	13.29	3.32	0.00	83.0 (2-Lane)
1.300	15.26	3.81	0.00	95.2 (1-Lane)
1.400	5.71	2.74	0.00	68.5 (2-Lane)
1.400	6.69	3.22	0.00	80.5 (1-Lane)
1.500	3.20	3.20	0.00	80.0 (2-Lane)
1.500	3.68	3.68	0.00	92.0 (1-Lane)
1.600	2.74	5.71	0.00	68.5 (2-Lane)
1.600	3.22	6.69	0.00	80.5 (1-Lane)
1.700	3.32	13.29	0.00	83.0 (2-Lane)
1.700	3.81	15.26	0.00	95.2 (1-Lane)
1.800	2.43	21.26	0.00	60.7 (2-Lane)
1.800	2.79	24.40	0.00	69.7 (1-Lane)
1.900	2.65	69.15	0.00	66.2 (2-Lane)
1.900	3.04	79.37	0.00	76.0 (1-Lane)
1.949	1.97	165.25	0.00	49.3 (2-Lane)
1.949	2.27	189.66	0.00	56.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	153.79 R	115.63	114.99 R	86.46
1.200	443.0	63.5	267.58 R	201.19	200.08 R	150.44
1.300	581.4	83.3	341.37 R	256.67	255.26 R	191.92
1.400	664.5	95.2	383.62 R	288.44	286.85 R	215.67
1.500	692.1	99.2	391.51 R	294.36	292.74 R	220.11
1.600	664.5	95.2	383.62 R	288.44	286.85 R	215.67
1.700	581.4	83.3	341.37 R	256.67	255.26 R	191.92
1.800	443.0	63.5	267.58 R	201.19	200.08 R	150.44
1.900	249.2	35.7	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.500	22.87	999.00	6.97	999.00	0.00	174.3 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.1 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.900	71.91	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.17	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	408.35 R	307.03	305.33 R	229.57	378.19	229.57
1.200	443.0	63.5	672.70 R	505.79	503.00 R	378.19	495.04	378.19
1.300	581.4	83.3	880.54 R	662.06	658.41 R	495.04	548.05	495.04
1.400	664.5	95.2	974.81 R	732.94	728.90 R	548.05	537.91	548.05
1.500	692.1	99.2	956.79 R	719.39	715.43 R	537.91	548.05	537.91
1.600	664.5	95.2	974.81 R	732.94	728.90 R	548.05	495.04	548.05
1.700	581.4	83.3	880.54 R	662.06	658.41 R	495.04	378.19	495.04
1.800	443.0	63.5	672.70 R	505.79	503.00 R	378.19	229.57	378.19
1.900	249.2	35.7	408.35 R	307.03	305.33 R	229.57	0.00	229.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5

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1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G03

Rating Type:

I-LEGL

Rating Live Load:

3S2

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.31	999.00		14.31	999.00	0.00	572.3 (2-Lane)
1.100	19.14	999.00		19.14	999.00	0.00	765.4 (1-Lane)
1.200	8.31	999.00		8.31	999.00	0.00	332.4 (2-Lane)
1.200	11.11	999.00		11.11	999.00	0.00	444.6 (1-Lane)
1.300	6.17	999.00		6.17	999.00	0.00	246.8 (2-Lane)
1.300	8.25	999.00		8.25	999.00	0.00	330.0 (1-Lane)
1.400	5.47	999.00		5.47	999.00	0.00	219.0 (2-Lane)
1.400	7.32	999.00		7.32	999.00	0.00	292.9 (1-Lane)
1.500	5.55	999.00		5.55	999.00	0.00	221.8 (2-Lane)
1.500	7.42	999.00		7.42	999.00	0.00	296.6 (1-Lane)
1.600	5.47	999.00		5.47	999.00	0.00	219.0 (2-Lane)
1.600	7.32	999.00		7.32	999.00	0.00	292.9 (1-Lane)
1.700	6.17	999.00		6.17	999.00	0.00	246.8 (2-Lane)
1.700	8.25	999.00		8.25	999.00	0.00	330.0 (1-Lane)
1.800	8.31	999.00		8.31	999.00	0.00	332.4 (2-Lane)
1.800	11.11	999.00		11.11	999.00	0.00	444.6 (1-Lane)
1.900	14.23	999.00		14.23	999.00	0.00	569.3 (2-Lane)
1.900	19.03	999.00		19.03	999.00	0.00	761.4 (1-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G03

Rating Type:

I-LEGL

Rating Live Load:

3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	69.38	52.16	60.45	45.45
1.100	43.8	5.6	80.16	60.27	69.85	52.52
1.200	29.3	4.2	66.03	49.65	57.53	43.26
1.300	19.5	2.8	52.36	39.37	45.62	34.30
1.400	9.8	1.4	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-9.8	-1.4	-40.67	-30.58	-35.43	-26.64
1.700	-19.5	-2.8	-52.36	-39.37	-45.62	-34.30
1.800	-29.3	-4.2	-66.03	-49.65	-57.53	-43.26
1.900	-39.0	-5.6	-80.16	-60.27	-69.85	-52.52
1.949	-43.7	-12.5	-87.03	-65.44	-75.83	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G03

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.3	30.6	118.9	-130.0	107.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (1-Lane)
1.600	88.3	30.6	118.9	-107.7	130.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 538

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.97	0.00	78.8 (2-Lane)
1.051	189.03	2.26	0.00	90.5 (1-Lane)
1.100	68.73	2.10	0.00	84.1 (2-Lane)
1.100	78.88	2.41	0.00	96.6 (1-Lane)
1.200	21.26	2.17	0.00	87.0 (2-Lane)
1.200	24.40	2.50	0.00	99.8 (1-Lane)
1.300	13.29	3.19	0.00	127.4 (2-Lane)
1.300	15.26	3.66	0.00	146.2 (1-Lane)
1.400	5.93	2.65	0.00	106.0 (2-Lane)
1.400	6.98	3.13	0.00	125.3 (1-Lane)
1.500	3.36	3.36	0.00	134.5 (2-Lane)
1.500	3.87	3.87	0.00	155.0 (1-Lane)
1.600	2.65	5.93	0.00	106.0 (2-Lane)
1.600	3.13	6.98	0.00	125.3 (1-Lane)
1.700	3.19	13.29	0.00	127.4 (2-Lane)
1.700	3.66	15.26	0.00	146.2 (1-Lane)
1.800	2.17	21.26	0.00	87.0 (2-Lane)
1.800	2.50	24.40	0.00	99.8 (1-Lane)
1.900	2.24	69.15	0.00	89.8 (2-Lane)
1.900	2.58	79.37	0.00	103.0 (1-Lane)
1.949	1.64	165.25	0.00	65.5 (2-Lane)
1.949	1.88	189.66	0.00	75.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	181.49 R	136.46	135.70 R	102.03
1.200	443.0	63.5	298.98 R	224.79	223.56 R	168.09
1.300	581.4	83.3	391.35 R	294.25	292.63 R	220.02
1.400	664.5	95.2	433.25 R	325.75	323.96 R	243.58
1.500	692.1	99.2	425.24 R	319.73	317.97 R	239.07
1.600	664.5	95.2	433.25 R	325.75	323.96 R	243.58
1.700	581.4	83.3	391.35 R	294.25	292.63 R	220.02
1.800	443.0	63.5	298.98 R	224.79	223.55 R	168.09
1.900	249.2	35.7	181.49 R	136.46	135.70 R	102.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 539

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load: Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Top Bott. Top Bott. Top Bott. Top Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	999.00	0.00	551.5 (1-Lane)
1.300	24.23	999.00	7.38	999.00	999.00	0.00	295.0 (2-Lane)
1.300	32.40	999.00	9.86	999.00	999.00	0.00	394.6 (1-Lane)
1.400	20.97	999.00	6.39	999.00	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	999.00	0.00	341.9 (1-Lane)
1.500	21.06	999.00	6.42	999.00	999.00	0.00	256.8 (2-Lane)
1.500	28.16	999.00	8.59	999.00	999.00	0.00	343.4 (1-Lane)
1.600	20.97	999.00	6.39	999.00	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	999.00	0.00	341.9 (1-Lane)
1.700	24.23	999.00	7.38	999.00	999.00	0.00	295.0 (2-Lane)
1.700	32.40	999.00	9.86	999.00	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	999.00	0.00	551.5 (1-Lane)
1.900	60.94	999.00	18.49	999.00	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.73	999.00	999.00	0.00	989.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	350.45 R	263.50	262.05 R	197.03
1.200	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.300	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.400	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.500	692.1	99.2	807.25 R	606.96	603.61 R	453.84
1.600	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.700	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.800	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.900	249.2	35.7	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.67	999.00	16.67	999.00	0.00	666.9 (2-Lane)
1.100	22.30	999.00	22.30	999.00	0.00	891.9 (1-Lane)
1.200	9.66	999.00	9.66	999.00	0.00	386.5 (2-Lane)
1.200	12.92	999.00	12.92	999.00	0.00	516.9 (1-Lane)
1.300	7.49	999.00	7.49	999.00	0.00	299.8 (2-Lane)
1.300	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.400	7.01	999.00	7.01	999.00	0.00	280.4 (2-Lane)
1.400	9.38	999.00	9.38	999.00	0.00	375.0 (1-Lane)
1.500	6.57	999.00	6.57	999.00	0.00	262.9 (2-Lane)
1.500	8.79	999.00	8.79	999.00	0.00	351.6 (1-Lane)
1.600	7.01	999.00	7.01	999.00	0.00	280.4 (2-Lane)
1.600	9.38	999.00	9.38	999.00	0.00	375.0 (1-Lane)
1.700	7.49	999.00	7.49	999.00	0.00	299.8 (2-Lane)
1.700	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.800	9.66	999.00	9.66	999.00	0.00	386.5 (2-Lane)
1.800	12.92	999.00	12.92	999.00	0.00	516.9 (1-Lane)

1.900 16.58 999.00 16.58 999.00 9999999_20120831cy17_FlexuralRpt.txt
1.900 22.18 999.00 22.18 999.00 0.00 663.4 (2-Lane)
0.00 887.2 (1-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.80 LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.64	56.12	65.03	48.90
1.100	43.8	5.6	68.80	51.73	59.94	45.07
1.200	29.3	4.2	56.79	42.70	49.48	37.20
1.300	19.5	2.8	44.77	33.66	39.01	29.33
1.400	9.8	1.4	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.4	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-2.8	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.2	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-5.6	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-12.5	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: 3-3

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.3	30.6	119.9	-131.0	108.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	50.5	48.2	98.8	-98.8	98.8 (2-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (1-Lane)
1.600	89.3	30.6	119.9	-108.7	131.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	199.99	1.83	0.00	73.3 (2-Lane)
1.051	229.54	2.10	0.00	84.1 (1-Lane)

1.100	83.45	2.45	0.00	98.0 (2-Lane)
1.100	95.78	2.81	0.00	112.5 (1-Lane)
1.200	25.82	2.53	0.00	101.1 (2-Lane)
1.200	29.63	2.90	0.00	116.1 (1-Lane)
1.300	16.14	3.73	0.00	149.0 (2-Lane)
1.300	18.52	4.28	0.00	171.0 (1-Lane)
1.400	6.76	3.11	0.00	124.5 (2-Lane)
1.400	7.89	3.64	0.00	145.8 (1-Lane)
1.500	3.63	3.63	0.00	145.4 (2-Lane)
1.500	4.17	4.17	0.00	166.8 (1-Lane)
1.600	3.11	6.76	0.00	124.5 (2-Lane)
1.600	3.64	7.89	0.00	145.8 (1-Lane)
1.700	3.73	16.14	0.00	149.0 (2-Lane)
1.700	4.28	18.52	0.00	171.0 (1-Lane)
1.800	2.53	25.82	0.00	101.1 (2-Lane)
1.800	2.90	29.63	0.00	116.1 (1-Lane)
1.900	2.62	83.97	0.00	104.6 (2-Lane)
1.900	3.00	96.38	0.00	120.1 (1-Lane)
1.949	1.91	200.66	0.00	76.4 (2-Lane)
1.949	2.19	230.31	0.00	87.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	LL	LL	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	155.76 R	117.11	116.46 R	87.57
1.200	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.300	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.400	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.500	692.1	99.2	358.78 R	269.76	268.27 R	201.71
1.600	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.700	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.800	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.900	249.2	35.7	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S

Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)	
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7	(2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0	(1-Lane)
1.200	39.43	999.00	11.99	999.00	0.00	479.5	(2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.3	(1-Lane)
1.300	29.43	999.00	8.96	999.00	0.00	358.5	(2-Lane)
1.300	39.36	999.00	11.98	999.00	0.00	479.4	(1-Lane)
1.400	26.85	999.00	8.18	999.00	0.00	327.4	(2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.8	(1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4	(2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.0	(1-Lane)
1.600	26.85	999.00	8.18	999.00	0.00	327.4	(2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.8	(1-Lane)
1.700	29.43	999.00	8.96	999.00	0.00	358.5	(2-Lane)
1.700	39.36	999.00	11.98	999.00	0.00	479.4	(1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.5	(2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.3	(1-Lane)
1.900	71.00	999.00	21.55	999.00	0.00	862.0	(2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	35.7	339.76 R		255.46	254.05 R		191.01		
1.200	443.0	63.5	593.12 R		445.96	443.50 R		333.46		
1.300	581.4	83.3	760.09 R		571.49	568.34 R		427.33		
1.400	664.5	95.2	866.58 R		651.56	647.97 R		487.20		
1.500	692.1	99.2	891.18 R		670.06	666.37 R		501.03		
1.600	664.5	95.2	866.58 R		651.56	647.97 R		487.20		
1.700	581.4	83.3	760.09 R		571.49	568.34 R		427.33		
1.800	443.0	63.5	593.12 R		445.96	443.50 R		333.46		
1.900	249.2	35.7	339.76 R		255.46	254.05 R		191.01		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03
Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.20	999.00	17.20	999.00	0.00	464.3 (2-Lane)
1.100	23.00	999.00	23.00	999.00	0.00	621.0 (1-Lane)
1.200	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.200	12.60	999.00	12.60	999.00	0.00	340.3 (1-Lane)
1.300	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.300	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.400	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.500	5.95	999.00	5.95	999.00	0.00	160.7 (2-Lane)
1.500	7.96	999.00	7.96	999.00	0.00	215.0 (1-Lane)
1.600	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.700	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.700	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.800	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.800	12.60	999.00	12.60	999.00	0.00	340.3 (1-Lane)
1.900	17.11	999.00	17.11	999.00	0.00	461.9 (2-Lane)
1.900	22.88	999.00	22.88	999.00	0.00	617.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03
Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.82	53.25	61.71	46.40
1.100	43.8	5.6	66.70	50.15	58.11	43.69
1.200	29.3	4.2	58.22	43.77	50.73	38.14
1.300	19.5	2.8	49.74	37.40	43.34	32.58
1.400	9.8	1.4	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.4	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-2.8	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.2	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-5.6	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-12.5	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03
Rating Type: I-LEGL
Rating Live Load: SU4

	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.6	30.6	124.2	-135.4	113.1 (2-Lane)
1.400	96.4	30.6	127.0	-138.2	115.9 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.6	30.6	124.2	-113.1	135.4 (2-Lane)
1.600	96.4	30.6	127.0	-115.9	138.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.93	0.00	52.1 (2-Lane)
1.051	212.66	2.22	0.00	59.8 (1-Lane)
1.100	77.32	2.53	0.00	68.2 (2-Lane)
1.100	88.74	2.90	0.00	78.3 (1-Lane)
1.200	22.06	2.47	0.00	66.6 (2-Lane)
1.200	25.32	2.83	0.00	76.4 (1-Lane)
1.300	13.10	3.35	0.00	90.5 (2-Lane)
1.300	15.04	3.85	0.00	103.9 (1-Lane)
1.400	5.57	2.74	0.00	74.0 (2-Lane)
1.400	6.53	3.22	0.00	87.0 (1-Lane)
1.500	3.18	3.18	0.00	85.9 (2-Lane)
1.500	3.66	3.66	0.00	98.9 (1-Lane)
1.600	2.74	5.57	0.00	74.0 (2-Lane)
1.600	3.22	6.53	0.00	87.0 (1-Lane)
1.700	3.35	13.10	0.00	90.5 (2-Lane)
1.700	3.85	15.04	0.00	103.9 (1-Lane)
1.800	2.47	22.06	0.00	66.6 (2-Lane)
1.800	2.83	25.32	0.00	76.4 (1-Lane)
1.900	2.70	77.80	0.00	72.8 (2-Lane)
1.900	3.10	89.29	0.00	83.6 (1-Lane)
1.949	2.01	185.91	0.00	54.3 (2-Lane)
1.949	2.31	213.37	0.00	62.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 555

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	169.88 R	127.73	127.02 R	95.51
1.200	443.0	63.5	296.56 R	222.98	221.75 R	166.73
1.300	581.4	83.3	380.04 R	285.75	284.17 R	213.66
1.400	664.5	95.2	433.29 R	325.78	323.99 R	243.60
1.500	692.1	99.2	445.59 R	335.03	333.18 R	250.51
1.600	664.5	95.2	433.29 R	325.78	323.99 R	243.60

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1.700	581.4	83.3	380.04 R	285.75	284.17 R	213.66
1.800	443.0	63.5	296.56 R	222.98	221.75 R	166.73
1.900	249.2	35.7	169.88 R	127.73	127.02 R	95.51
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 555

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance		Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S

Rating Live Load: SU4

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	19.93	0.00	538.2 (2-Lane)
1.100	87.55	26.66	0.00	719.8 (1-Lane)
1.200	34.19	10.39	0.00	280.6 (2-Lane)
1.200	45.72	13.90	0.00	375.3 (1-Lane)
1.300	24.95	7.59	0.00	205.1 (2-Lane)
1.300	33.36	10.16	0.00	274.3 (1-Lane)
1.400	20.97	6.39	0.00	172.6 (2-Lane)
1.400	28.05	8.55	0.00	230.8 (1-Lane)
1.500	20.10	6.13	0.00	165.4 (2-Lane)
1.500	26.88	8.19	0.00	221.2 (1-Lane)
1.600	20.97	6.39	0.00	172.6 (2-Lane)
1.600	28.05	8.55	0.00	230.8 (1-Lane)
1.700	24.95	7.59	0.00	205.1 (2-Lane)
1.700	33.36	10.16	0.00	274.3 (1-Lane)
1.800	34.19	10.39	0.00	280.6 (2-Lane)
1.800	45.72	13.90	0.00	375.3 (1-Lane)
1.900	65.10	19.76	0.00	533.5 (2-Lane)
1.900	87.07	26.42	0.00	713.4 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 557

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load:		SU5		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL	LL	LL
	1.25	1.25	1.60				1.60
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00
1.100	218.4	35.7	377.07 R	283.51	281.95 R		211.99
1.200	443.0	63.5	654.95 R	492.44	489.73 R		368.21
1.300	581.4	83.3	842.64 R	633.56	630.07 R		473.74
1.400	664.5	95.2	957.06 R	719.59	715.63 R		538.07
1.500	692.1	99.2	972.29 R	731.04	727.01 R		546.62
1.600	664.5	95.2	957.06 R	719.59	715.63 R		538.07
1.700	581.4	83.3	842.64 R	633.56	630.07 R		473.74
1.800	443.0	63.5	654.95 R	492.44	489.73 R		368.21
1.900	249.2	35.7	377.07 R	283.51	281.95 R		211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.49	999.00	15.49	999.00	0.00	480.4 (2-Lane)
1.100	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.200	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.300	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.300	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.400	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.400	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.500	5.46	999.00	5.46	999.00	0.00	169.2 (2-Lane)
1.500	7.30	999.00	7.30	999.00	0.00	226.2 (1-Lane)
1.600	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.600	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.700	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.700	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.800	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.900	15.41	999.00	15.41	999.00	0.00	477.8 (2-Lane)
1.900	20.61	999.00	20.61	999.00	0.00	639.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	78.76	59.22	68.62	51.59
1.100	43.8	5.6	74.03	55.66	64.50	48.49
1.200	29.3	4.2	64.29	48.34	56.01	42.11
1.300	19.5	2.8	54.55	41.02	47.53	35.74
1.400	9.8	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-5.6	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-12.5	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU5

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.5	30.6	125.1	-136.2	113.9 (2-Lane)
1.400	97.7	30.6	128.3	-139.4	117.1 (1-Lane)
1.500	57.0	48.2	105.2	-105.2	105.2 (2-Lane)
1.500	57.5	48.2	105.8	-105.8	105.8 (1-Lane)
1.600	94.5	30.6	125.1	-113.9	136.2 (2-Lane)
1.600	97.7	30.6	128.3	-117.1	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.74	0.00	53.8 (2-Lane)
1.051	212.66	1.99	0.00	61.8 (1-Lane)
1.100	77.32	2.28	0.00	70.6 (2-Lane)
1.100	88.74	2.61	0.00	81.0 (1-Lane)
1.200	22.06	2.23	0.00	69.2 (2-Lane)
1.200	25.32	2.56	0.00	79.5 (1-Lane)
1.300	12.25	3.06	0.00	94.8 (2-Lane)
1.300	14.06	3.51	0.00	108.8 (1-Lane)

1.400	5.38	2.54	0.00	78.8 (2-Lane)
1.400	6.32	3.00	0.00	93.0 (1-Lane)
1.500	3.00	3.00	0.00	93.0 (2-Lane)
1.500	3.46	3.46	0.00	107.3 (1-Lane)
1.600	2.54	5.38	0.00	78.8 (2-Lane)
1.600	3.00	6.32	0.00	93.0 (1-Lane)
1.700	3.06	12.25	0.00	94.8 (2-Lane)
1.700	3.51	14.06	0.00	108.8 (1-Lane)
1.800	2.23	22.06	0.00	69.2 (2-Lane)
1.800	2.56	25.32	0.00	79.5 (1-Lane)
1.900	2.43	77.80	0.00	75.3 (2-Lane)
1.900	2.79	89.29	0.00	86.5 (1-Lane)
1.949	1.81	185.91	0.00	56.1 (2-Lane)
1.949	2.08	213.37	0.00	64.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	35.7	188.54 R		141.76	140.97 R		106.00
1.200	443.0	63.5	327.47 R		246.22	244.86 R		184.11
1.300	581.4	83.3	421.32 R		316.78	315.04 R		236.87
1.400	664.5	95.2	478.53 R		359.80	357.81 R		269.03
1.500	692.1	99.2	486.14 R		365.52	363.51 R		273.31
1.600	664.5	95.2	478.53 R		359.80	357.81 R		269.03
1.700	581.4	83.3	421.32 R		316.78	315.04 R		236.87
1.800	443.0	63.5	327.47 R		246.22	244.86 R		184.11
1.900	249.2	35.7	188.54 R		141.76	140.97 R		106.00
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 563

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S

Rating Live Load: SU5

Service

Span	Rating top fiber	Factor bottom fiber	Rating Value	Load Resistance
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	+bend	-bend	+bend	-bend	9999999_20120831cy17_FlexuralRpt.txt (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00	232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.800	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	LL	LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	397.96 R	299.22	297.57 R	223.74	299.22	297.57 R	223.74	223.74
1.200	443.0	63.5	717.98 R	539.83	536.86 R	403.65	539.83	536.86 R	403.65	403.65
1.300	581.4	83.3	932.71 R	701.29	697.42 R	524.38	701.29	697.42 R	524.38	524.38
1.400	664.5	95.2	1052.03 R	791.00	786.64 R	591.46	791.00	786.64 R	591.46	591.46
1.500	692.1	99.2	1083.54 R	814.69	810.20 R	609.17	814.69	810.20 R	609.17	609.17
1.600	664.5	95.2	1052.03 R	791.00	786.64 R	591.46	791.00	786.64 R	591.46	591.46
1.700	581.4	83.3	932.71 R	701.29	697.42 R	524.38	701.29	697.42 R	524.38	524.38
1.800	443.0	63.5	717.98 R	539.83	536.86 R	403.65	539.83	536.86 R	403.65	403.65
1.900	249.2	35.7	397.96 R	299.22	297.57 R	223.74	299.22	297.57 R	223.74	223.74
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 566

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.68	999.00	14.68	999.00	0.00	510.2 (2-Lane)
1.100	19.64	999.00	19.64	999.00	0.00	682.3 (1-Lane)
1.200	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.200	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.300	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.400	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.400	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.500	4.90	999.00	4.90	999.00	0.00	170.2 (2-Lane)
1.500	6.55	999.00	6.55	999.00	0.00	227.6 (1-Lane)
1.600	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.600	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.700	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.800	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.800	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.5 (2-Lane)
1.900	19.53	999.00	19.53	999.00	0.00	678.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	83.43	62.73	72.69	54.66
1.100	43.8	5.6	78.13	58.74	68.07	51.18
1.200	29.3	4.2	67.21	50.54	58.56	44.03
1.300	19.5	2.8	56.30	42.33	49.05	36.88
1.400	9.8	1.4	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.4	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-2.8	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.2	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-5.6	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-12.5	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)

1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.3	30.6	121.9	-133.1	110.8 (2-Lane)
1.400	94.9	30.6	125.5	-136.6	114.3 (1-Lane)
1.500	53.6	48.2	101.9	-101.9	101.9 (2-Lane)
1.500	54.5	48.2	102.7	-102.7	102.7 (1-Lane)
1.600	91.3	30.6	121.9	-110.8	133.1 (2-Lane)
1.600	94.9	30.6	125.5	-114.3	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.64	0.00	56.9 (2-Lane)
1.051	314.36	1.88	0.00	65.4 (1-Lane)
1.100	130.74	2.16	0.00	75.0 (2-Lane)
1.100	150.06	2.48	0.00	86.1 (1-Lane)
1.200	27.88	2.14	0.00	74.2 (2-Lane)
1.200	32.00	2.45	0.00	85.2 (1-Lane)
1.300	13.65	2.96	0.00	103.0 (2-Lane)
1.300	15.66	3.40	0.00	118.2 (1-Lane)
1.400	5.41	2.44	0.00	84.8 (2-Lane)
1.400	6.38	2.89	0.00	100.5 (1-Lane)
1.500	2.96	2.96	0.00	102.7 (2-Lane)
1.500	3.42	3.42	0.00	118.8 (1-Lane)
1.600	2.44	5.41	0.00	84.8 (2-Lane)
1.600	2.89	6.38	0.00	100.5 (1-Lane)
1.700	2.96	13.65	0.00	103.0 (2-Lane)
1.700	3.40	15.66	0.00	118.2 (1-Lane)
1.800	2.14	27.88	0.00	74.2 (2-Lane)
1.800	2.45	32.00	0.00	85.2 (1-Lane)
1.900	2.30	131.56	0.00	80.0 (2-Lane)
1.900	2.64	150.99	0.00	91.8 (1-Lane)
1.949	1.71	274.82	0.00	59.4 (2-Lane)
1.949	1.96	315.42	0.00	68.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	198.98 R	149.61	148.79 R	111.87
1.200	443.0	63.5	358.99 R	269.92	268.43 R	201.83
1.300	581.4	83.3	466.36 R	350.64	348.71 R	262.19
1.400	664.5	95.2	526.02 R	395.50	393.32 R	295.73
1.500	692.1	99.2	541.77 R	407.35	405.10 R	304.59
1.600	664.5	95.2	526.02 R	395.50	393.32 R	295.73
1.700	581.4	83.3	466.36 R	350.64	348.71 R	262.19
1.800	443.0	63.5	358.99 R	269.92	268.43 R	201.83
1.900	249.2	35.7	198.98 R	149.61	148.79 R	111.87
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU7

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.60	1.60	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	416.40 R	313.08	311.35 R	234.10
1.200	443.0	63.5	751.06 R	564.71	561.60 R	422.25
1.300	581.4	83.3	1004.00 R	754.88	750.72 R	564.45
1.400	664.5	95.2	1135.75 R	853.95	849.24 R	638.53
1.500	692.1	99.2	1175.91 R	884.14	879.27 R	661.11
1.600	664.5	95.2	1135.75 R	853.95	849.24 R	638.53
1.700	581.4	83.3	1004.00 R	754.88	750.72 R	564.45
1.800	443.0	63.5	751.06 R	564.71	561.60 R	422.25
1.900	249.2	35.7	416.40 R	313.08	311.35 R	234.10
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.03	999.00	14.03	999.00	0.00	543.7 (2-Lane)
1.100	18.77	999.00	18.77	999.00	0.00	727.2 (1-Lane)
1.200	7.44	999.00	7.44	999.00	0.00	288.4 (2-Lane)
1.200	9.95	999.00	9.95	999.00	0.00	385.7 (1-Lane)
1.300	5.41	999.00	5.41	999.00	0.00	209.7 (2-Lane)
1.300	7.24	999.00	7.24	999.00	0.00	280.4 (1-Lane)
1.400	4.70	999.00	4.70	999.00	0.00	182.1 (2-Lane)
1.400	6.28	999.00	6.28	999.00	0.00	243.5 (1-Lane)
1.500	4.51	999.00	4.51	999.00	0.00	174.8 (2-Lane)
1.500	6.03	999.00	6.03	999.00	0.00	233.8 (1-Lane)
1.600	4.70	999.00	4.70	999.00	0.00	182.1 (2-Lane)
1.600	6.28	999.00	6.28	999.00	0.00	243.5 (1-Lane)
1.700	5.41	999.00	5.41	999.00	0.00	209.7 (2-Lane)
1.700	7.24	999.00	7.24	999.00	0.00	280.4 (1-Lane)
1.800	7.44	999.00	7.44	999.00	0.00	288.4 (2-Lane)
1.800	9.95	999.00	9.95	999.00	0.00	385.7 (1-Lane)
1.900	13.96	999.00	13.96	999.00	0.00	540.9 (2-Lane)
1.900	18.67	999.00	18.67	999.00	0.00	723.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	87.66	65.91	76.38	57.43
1.100	43.8	5.6	81.75	61.46	71.22	53.55
1.200	29.3	4.2	69.57	52.31	60.62	45.58
1.300	19.5	2.8	57.40	43.16	50.01	37.60
1.400	9.8	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-5.6	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-12.5	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU7

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.0	30.6	118.6	-129.7	107.5 (2-Lane)
1.400	91.8	30.6	122.4	-133.6	111.3 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	51.7	48.2	99.9	-99.9	99.9 (1-Lane)
1.600	88.0	30.6	118.6	-107.5	129.8 (2-Lane)
1.600	91.8	30.6	122.4	-111.3	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: I-LEGL

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.56	0.00	60.4 (2-Lane)
1.051	314.36	1.79	0.00	69.4 (1-Lane)
1.100	148.08	2.06	0.00	79.9 (2-Lane)
1.100	169.96	2.37	0.00	91.7 (1-Lane)
1.200	36.80	2.06	0.00	80.0 (2-Lane)
1.200	42.24	2.37	0.00	91.8 (1-Lane)
1.300	15.66	2.91	0.00	112.6 (2-Lane)
1.300	17.98	3.34	0.00	129.2 (1-Lane)
1.400	5.59	2.38	0.00	92.1 (2-Lane)
1.400	6.61	2.82	0.00	109.4 (1-Lane)
1.500	2.95	2.95	0.00	114.2 (2-Lane)
1.500	3.42	3.42	0.00	132.4 (1-Lane)
1.600	2.38	5.59	0.00	92.1 (2-Lane)

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1.600	2.82	6.61	0.00	109.4 (1-Lane)
1.700	2.91	15.66	0.00	112.6 (2-Lane)
1.700	3.34	17.98	0.00	129.2 (1-Lane)
1.800	2.06	36.80	0.00	80.0 (2-Lane)
1.800	2.37	42.24	0.00	91.8 (1-Lane)
1.900	2.20	149.00	0.00	85.3 (2-Lane)
1.900	2.53	171.02	0.00	97.9 (1-Lane)
1.949	1.63	274.82	0.00	63.0 (2-Lane)
1.949	1.87	315.42	0.00	72.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 579

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LG

Rating Live Load: SU7

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.00	1.00	LL	LL
				0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	218.4	35.7	208.20 R		156.54	155.68 R			117.05	
1.200	443.0	63.5	375.53 R		282.35	280.80 R			211.13	
1.300	581.4	83.3	502.00 R		377.44	375.36 R			282.23	
1.400	664.5	95.2	567.88 R		426.97	424.62 R			319.26	
1.500	692.1	99.2	587.96 R		442.07	439.63 R			330.55	
1.600	664.5	95.2	567.88 R		426.97	424.62 R			319.26	
1.700	581.4	83.3	502.00 R		377.44	375.36 R			282.23	
1.800	443.0	63.5	375.53 R		282.35	280.80 R			211.13	
1.900	249.2	35.7	208.20 R		156.54	155.68 R			117.05	
1.949	128.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 579

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 580

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G03

Rating Type: III-LGL S

Rating Live Load: SU7

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating bottom fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.100	53.42	999.00	16.27	999.00	0.00	630.3	(2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9	(1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1	(2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4	(1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8	(2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0	(1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0	(2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7	(1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9	(2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6	(1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0	(2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7	(1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8	(2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0	(1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1	(2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4	(1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7	(2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
System Factor: 1.000
ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment											
	Span 1				Span 2				Span 3		
	R1	R2	R3		R1	R2	R3		R1	R2	R3
1-lane DF	0.495	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
	Span 1				Span 2				Span 3		
	R1	R2	R3		R1	R2	R3		R1	R2	R3
2-lane DF	0.662	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000

LRFD LLDF Shear											
Span 1				Span 2				Span 3			
	R1	R2	R3		R1	R2	R3		R1	R2	R3
1-lane DF	0.643	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
Span 1				Span 2				Span 3			
	R1	R2	R3		R1	R2	R3		R1	R2	R3
2-lane DF	0.738	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000

Comments:

Member ID G04 01-IG004
Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:
Span Range Range Section Section Section Hinge Location
No. No. Length Left Right Variation No. 1 No. 2

1 1 56.786 1 0 0.0 0.0

Range Length -- Composite:
Span Range Range Composite
No. No. Length Code

1 1 56.786 C

Superimposed Dead Load:
Span Load Dist. from Distributed Load (lbs/ft) Concentrated
No. Type Type Left Supp. Left Right Length Load (kips)

1 W 0.000 196.9 196.9 56.786 0.0
1 Z 0.000 169.9 169.9 56.786 0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 580

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8	814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7	780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8	771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 582

SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Span	Neutral Axis Top	Neutral Axis Bott.	Moment +Bend (n=n)	Moment +Bend (n=3n)	Section +Bend (n=n) Top	Modulus Bott.	Section +Bend (n=3n) Top	Modulus Bott.
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 582

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00

1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 583

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	99.2	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.4 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.6 (1-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.200	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.300	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.300	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.400	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.500	3.68	999.00	3.68	999.00	0.00	132.4 (2-Lane)
1.500	4.92	999.00	4.92	999.00	0.00	177.1 (1-Lane)

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1.600	3.76	999.00	3.76	999.00	0.00 135.4 (2-Lane)
1.600	5.03	999.00	5.03	999.00	0.00 181.1 (1-Lane)
1.700	4.30	999.00	4.30	999.00	0.00 154.8 (2-Lane)
1.700	5.75	999.00	5.75	999.00	0.00 207.0 (1-Lane)
1.800	5.64	999.00	5.64	999.00	0.00 202.8 (2-Lane)
1.800	7.54	999.00	7.54	999.00	0.00 271.3 (1-Lane)
1.900	10.18	999.00	10.18	999.00	0.00 366.4 (2-Lane)
1.900	13.61	999.00	13.61	999.00	0.00 490.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HL93

Gamma		DC	DW	(2-Lane) LL	(1-Lane) LL
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	118.11	0.00	94.04	0.00
1.100	43.8	5.6	109.99	0.00	87.42	0.00
1.200	29.3	4.2	93.63	0.00	74.13	0.00
1.300	19.5	2.8	77.74	0.00	61.31	0.00
1.400	9.8	1.4	62.33	0.00	48.96	0.00
1.500	0.0	0.0	47.38	0.00	37.08	0.00
1.600	-9.8	-1.4	-62.33	0.00	-48.96	0.00
1.700	-19.5	-2.8	-77.74	0.00	-61.31	0.00
1.800	-29.3	-4.2	-93.63	0.00	-74.13	0.00
1.900	-39.0	-5.6	-109.99	0.00	-87.41	0.00
1.949	-43.7	-12.5	-118.11	0.00	-94.04	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	97.0	30.6	127.6	-138.8	116.5 (2-Lane)
1.400	102.1	30.6	132.7	-143.8	121.5 (1-Lane)
1.500	59.9	48.2	108.2	-108.2	108.2 (2-Lane)
1.500	61.9	48.2	110.1	-110.1	110.1 (1-Lane)
1.600	97.0	30.6	127.6	-116.5	138.8 (2-Lane)
1.600	102.1	30.6	132.7	-121.5	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HL93

Shear

Span	Rating Factor	Rating	Load
------	---------------	--------	------

	(-)	(+)	Value	Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.16	0.00	41.7 (2-Lane)
1.051	103.29	1.33	0.00	47.8 (1-Lane)
1.100	48.07	1.53	0.00	55.2 (2-Lane)
1.100	55.17	1.76	0.00	63.3 (1-Lane)
1.200	13.95	1.53	0.00	55.2 (2-Lane)
1.200	16.01	1.76	0.00	63.4 (1-Lane)
1.300	8.51	2.15	0.00	77.2 (2-Lane)
1.300	9.76	2.46	0.00	88.7 (1-Lane)
1.400	3.95	1.87	0.00	67.3 (2-Lane)
1.400	4.70	2.24	0.00	80.5 (1-Lane)
1.500	2.28	2.28	0.00	82.2 (2-Lane)
1.500	2.67	2.67	0.00	96.0 (1-Lane)
1.600	1.87	3.95	0.00	67.3 (2-Lane)
1.600	2.24	4.70	0.00	80.6 (1-Lane)
1.700	2.15	8.51	0.00	77.2 (2-Lane)
1.700	2.46	9.76	0.00	88.7 (1-Lane)
1.800	1.53	13.95	0.00	55.2 (2-Lane)
1.800	1.76	16.01	0.00	63.4 (1-Lane)
1.900	1.64	46.41	0.00	58.9 (2-Lane)
1.900	1.88	53.27	0.00	67.6 (1-Lane)
1.949	1.21	88.36	0.00	43.4 (2-Lane)
1.949	1.38	101.41	0.00	49.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	79.4	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 589

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HL93

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.60	999.00	12.97	999.00	0.00	467.0 (2-Lane)
1.100	56.98	999.00	17.35	999.00	0.00	624.6 (1-Lane)
1.200	22.35	999.00	6.80	999.00	0.00	244.7 (2-Lane)
1.200	29.90	999.00	9.09	999.00	0.00	327.2 (1-Lane)
1.300	16.42	999.00	5.00	999.00	0.00	179.9 (2-Lane)
1.300	21.95	999.00	6.68	999.00	0.00	240.6 (1-Lane)
1.400	14.01	999.00	4.27	999.00	0.00	153.7 (2-Lane)
1.400	18.73	999.00	5.71	999.00	0.00	205.5 (1-Lane)
1.500	13.58	999.00	4.14	999.00	0.00	149.1 (2-Lane)
1.500	18.16	999.00	5.54	999.00	0.00	199.3 (1-Lane)
1.600	14.01	999.00	4.27	999.00	0.00	153.7 (2-Lane)
1.600	18.73	999.00	5.71	999.00	0.00	205.5 (1-Lane)
1.700	16.42	999.00	5.00	999.00	0.00	179.9 (2-Lane)
1.700	21.95	999.00	6.68	999.00	0.00	240.6 (1-Lane)
1.800	22.35	999.00	6.80	999.00	0.00	244.7 (2-Lane)
1.800	29.90	999.00	9.09	999.00	0.00	327.2 (1-Lane)
1.900	42.37	999.00	12.86	999.00	0.00	462.9 (2-Lane)
1.900	56.66	999.00	17.20	999.00	0.00	619.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HS20

Rating Live Load:			H20		(2-Lane)		(1-Lane)			
Gamma	DC	DW	LL		LL		LL			
	1.25	1.25	1.75		1.75		1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	443.0	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	581.4	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	664.5	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	692.1	99.2	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	664.5	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	581.4	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	443.0	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	249.2	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1

9999999_20120831cy17_FlexuralRpt.txt									
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	12.61	999.00	12.61	999.00	252.15	453.9	(2-Lane)
1.100	16.86	999.00	16.86	999.00	337.22	607.0	(1-Lane)
1.200	6.98	999.00	6.98	999.00	139.61	251.3	(2-Lane)
1.200	9.34	999.00	9.34	999.00	186.71	336.1	(1-Lane)
1.300	5.37	999.00	5.37	999.00	107.32	193.2	(2-Lane)
1.300	7.18	999.00	7.18	999.00	143.53	258.4	(1-Lane)
1.400	4.71	999.00	4.71	999.00	94.27	169.7	(2-Lane)
1.400	6.30	999.00	6.30	999.00	126.08	226.9	(1-Lane)
1.500	4.64	999.00	4.64	999.00	92.79	167.0	(2-Lane)
1.500	6.20	999.00	6.20	999.00	124.10	223.4	(1-Lane)
1.600	4.71	999.00	4.71	999.00	94.27	169.7	(2-Lane)
1.600	6.30	999.00	6.30	999.00	126.08	226.9	(1-Lane)
1.700	5.37	999.00	5.37	999.00	107.32	193.2	(2-Lane)
1.700	7.18	999.00	7.18	999.00	143.53	258.4	(1-Lane)
1.800	6.98	999.00	6.98	999.00	139.61	251.3	(2-Lane)
1.800	9.34	999.00	9.34	999.00	186.71	336.1	(1-Lane)
1.900	12.54	999.00	12.54	999.00	250.82	451.5	(2-Lane)
1.900	16.77	999.00	16.77	999.00	335.45	603.8	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75		(1-Lane) LL 1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	96.99	0.00	84.51	0.00
1.100	43.8	5.6	90.98	0.00	79.27	0.00
1.200	29.3	4.2	78.61	0.00	68.49	0.00
1.300	19.5	2.8	66.24	0.00	57.72	0.00
1.400	9.8	1.4	53.88	0.00	46.94	0.00
1.500	0.0	0.0	41.51	0.00	36.17	0.00
1.600	-9.8	-1.4	-53.88	0.00	-46.94	0.00
1.700	-19.5	-2.8	-66.24	0.00	-57.72	0.00
1.800	-29.3	-4.2	-78.61	0.00	-68.49	0.00
1.900	-39.0	-5.6	-90.98	0.00	-79.27	0.00
1.949	-43.7	-12.5	-96.99	0.00	-84.51	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: I-INV
 Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (2-Lane)
1.400	102.6	30.6	133.1	-144.3	122.0 (1-Lane)
1.500	60.5	48.2	108.7	-108.7	108.7 (2-Lane)
1.500	61.6	48.2	109.9	-109.9	109.9 (1-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (2-Lane)
1.600	102.6	30.6	133.1	-122.0	144.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 596
 STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: I-INV
 Rating Live Load: HS20

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.41	28.19	50.8 (2-Lane)
1.051	103.29	1.62	32.36	58.2 (1-Lane)
1.100	48.65	1.85	37.06	66.7 (2-Lane)
1.100	55.84	2.13	42.54	76.6 (1-Lane)
1.200	19.15	1.83	36.53	65.8 (2-Lane)
1.200	21.97	2.10	41.92	75.5 (1-Lane)
1.300	10.88	2.52	50.36	90.6 (2-Lane)
1.300	12.49	2.89	57.80	104.0 (1-Lane)
1.400	4.61	2.19	43.78	78.8 (2-Lane)
1.400	5.44	2.60	51.98	93.6 (1-Lane)
1.500	2.62	2.62	52.39	94.3 (2-Lane)
1.500	3.04	3.04	60.76	109.4 (1-Lane)
1.600	2.19	4.61	43.78	78.8 (2-Lane)
1.600	2.60	5.44	51.98	93.6 (1-Lane)
1.700	2.52	10.88	50.36	90.6 (2-Lane)
1.700	2.89	12.49	57.80	104.0 (1-Lane)
1.800	1.83	19.15	36.53	65.8 (2-Lane)
1.800	2.10	21.97	41.92	75.5 (1-Lane)
1.900	1.98	48.96	39.55	71.2 (2-Lane)
1.900	2.27	56.19	45.39	81.7 (1-Lane)
1.949	1.47	90.30	29.39	52.9 (2-Lane)
1.949	1.69	103.64	33.74	60.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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 SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: III-IN
 Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL	LL
					0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	79.4	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.50	999.00	15.98	999.00	319.70	575.5 (2-Lane)
1.100	70.21	999.00	21.38	999.00	427.56	769.6 (1-Lane)
1.200	27.69	999.00	8.42	999.00	168.38	303.1 (2-Lane)
1.200	37.03	999.00	11.26	999.00	225.19	405.3 (1-Lane)
1.300	20.49	999.00	6.24	999.00	124.75	224.6 (2-Lane)
1.300	27.40	999.00	8.34	999.00	166.84	300.3 (1-Lane)
1.400	17.55	999.00	5.35	999.00	107.00	192.6 (2-Lane)
1.400	23.48	999.00	7.16	999.00	143.09	257.6 (1-Lane)
1.500	17.13	999.00	5.22	999.00	104.45	188.0 (2-Lane)
1.500	22.91	999.00	6.98	999.00	139.69	251.4 (1-Lane)
1.600	17.55	999.00	5.35	999.00	107.00	192.6 (2-Lane)
1.600	23.48	999.00	7.16	999.00	143.09	257.6 (1-Lane)
1.700	20.49	999.00	6.24	999.00	124.75	224.6 (2-Lane)
1.700	27.40	999.00	8.34	999.00	166.84	300.3 (1-Lane)
1.800	27.69	999.00	8.42	999.00	168.38	303.1 (2-Lane)
1.800	37.03	999.00	11.26	999.00	225.19	405.3 (1-Lane)
1.900	52.20	999.00	15.84	999.00	316.86	570.3 (2-Lane)
1.900	69.82	999.00	21.19	999.00	423.76	762.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	99.2	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.37	999.00	17.37	999.00	0.00	434.2 (2-Lane)
1.100	23.23	999.00	23.23	999.00	0.00	580.7 (1-Lane)
1.200	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.200	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.300	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.300	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.400	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.400	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.500	6.20	999.00	6.20	999.00	0.00	154.9 (2-Lane)
1.500	8.28	999.00	8.28	999.00	0.00	207.1 (1-Lane)
1.600	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.600	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.700	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.700	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.800	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.800	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)

1.900	17.28	999.00	17.28	999.00	0.00	431.9 (2-Lane)
1.900	23.10	999.00	23.10	999.00	0.00	577.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.22	0.00	52.80	0.00
1.100	43.8	5.6	66.04	0.00	49.66	0.00
1.200	29.3	4.2	57.46	0.00	43.20	0.00
1.300	19.5	2.8	48.87	0.00	36.74	0.00
1.400	9.8	1.4	40.28	0.00	30.28	0.00
1.500	0.0	0.0	31.69	0.00	23.83	0.00
1.600	-9.8	-1.4	-40.28	0.00	-30.28	0.00
1.700	-19.5	-2.8	-48.87	0.00	-36.74	0.00
1.800	-29.3	-4.2	-57.46	0.00	-43.20	0.00
1.900	-39.0	-5.6	-66.04	0.00	-49.66	0.00
1.949	-43.7	-12.5	-70.22	0.00	-52.80	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.5	30.6	124.1	-135.2	112.9 (2-Lane)
1.400	96.2	30.6	126.7	-137.9	115.6 (1-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (2-Lane)
1.500	55.6	48.2	103.9	-103.9	103.9 (1-Lane)
1.600	93.5	30.6	124.1	-112.9	135.2 (2-Lane)
1.600	96.2	30.6	126.7	-115.6	137.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.95	0.00	48.7 (2-Lane)
1.051	194.43	2.23	0.00	55.9 (1-Lane)

1.100	70.69	2.55	0.00	63.8 (2-Lane)
1.100	81.13	2.93	0.00	73.3 (1-Lane)
1.200	21.87	2.50	0.00	62.5 (2-Lane)
1.200	25.10	2.87	0.00	71.7 (1-Lane)
1.300	13.67	3.41	0.00	85.3 (2-Lane)
1.300	15.69	3.92	0.00	97.9 (1-Lane)
1.400	5.85	2.80	0.00	70.1 (2-Lane)
1.400	6.85	3.29	0.00	82.3 (1-Lane)
1.500	3.28	3.28	0.00	81.9 (2-Lane)
1.500	3.76	3.76	0.00	94.1 (1-Lane)
1.600	2.80	5.85	0.00	70.1 (2-Lane)
1.600	3.29	6.85	0.00	82.3 (1-Lane)
1.700	3.41	13.67	0.00	85.3 (2-Lane)
1.700	3.92	15.69	0.00	97.9 (1-Lane)
1.800	2.50	21.87	0.00	62.5 (2-Lane)
1.800	2.87	25.10	0.00	71.7 (1-Lane)
1.900	2.72	71.13	0.00	68.1 (2-Lane)
1.900	3.13	81.64	0.00	78.2 (1-Lane)
1.949	2.03	169.97	0.00	50.8 (2-Lane)
1.949	2.33	195.08	0.00	58.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN

Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	79.4	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 605

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S

Rating Live Load: 3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.500	22.87	999.00	6.97	999.00	0.00	174.3 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.1 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.900	71.91	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.17	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	443.0	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	581.4	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	664.5	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	692.1	99.2	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	664.5	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	581.4	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	443.0	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	249.2	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 608

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9

9999999_20120831cy17_FlexuralRpt.txt
1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.72	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	19.68	999.00	19.68	999.00	0.00	787.3 (1-Lane)
1.200	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.200	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.300	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.500	5.70	999.00	5.70	999.00	0.00	228.1 (2-Lane)
1.500	7.63	999.00	7.63	999.00	0.00	305.1 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.700	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.800	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.800	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.900	14.64	999.00	14.64	999.00	0.00	585.6 (2-Lane)
1.900	19.58	999.00	19.58	999.00	0.00	783.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 610

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	67.45	0.00	50.72	0.00	58.77	0.00
1.100	43.8	5.6	77.94	0.00	58.60	0.00	67.91	0.00
1.200	29.3	4.2	64.20	0.00	48.27	0.00	55.93	0.00
1.300	19.5	2.8	50.91	0.00	38.28	0.00	44.36	0.00
1.400	9.8	1.4	39.54	0.00	29.73	0.00	34.45	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00
1.600	-9.8	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00
1.700	-19.5	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00
1.800	-29.3	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00
1.900	-39.0	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00
1.949	-43.7	-12.5	-84.62	0.00	-63.62	0.00	-73.72	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 611

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: 3S2

Available Resistance for LL+I

	Shear	Resistance			
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	-254.3	136.7	(2-Lane)
1.051	65.6	129.9	-254.3	136.7	(1-Lane)
1.100	74.9	143.2	-267.4	168.6	(2-Lane)
1.100	74.9	143.2	-267.4	168.6	(1-Lane)
1.200	94.4	82.6	-210.5	143.6	(2-Lane)
1.200	94.4	82.6	-210.5	143.6	(1-Lane)
1.300	106.5	82.6	-211.4	166.8	(2-Lane)
1.300	106.5	82.6	-211.4	166.8	(1-Lane)
1.400	87.9	30.6	-129.6	107.3	(2-Lane)
1.400	91.0	30.6	-132.7	110.4	(1-Lane)
1.500	49.4	48.2	-97.6	97.6	(2-Lane)
1.500	49.7	48.2	-98.0	98.0	(1-Lane)
1.600	87.9	30.6	-107.3	129.6	(2-Lane)
1.600	91.0	30.6	-110.4	132.7	(1-Lane)
1.700	106.5	82.6	-166.8	211.4	(2-Lane)
1.700	106.5	82.6	-166.8	211.4	(1-Lane)
1.800	94.4	82.6	-143.6	210.5	(2-Lane)
1.800	94.4	82.6	-143.6	210.5	(1-Lane)
1.900	77.5	147.0	-179.9	269.1	(2-Lane)
1.900	77.5	147.0	-179.9	269.1	(1-Lane)
1.949	67.0	131.9	-142.5	255.1	(2-Lane)
1.949	67.0	131.9	-142.5	255.1	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 612

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	2.03	0.00	81.1 (2-Lane)
1.051	194.43	2.33	0.00	93.1 (1-Lane)
1.100	70.69	2.16	0.00	86.5 (2-Lane)
1.100	81.13	2.48	0.00	99.3 (1-Lane)
1.200	21.87	2.24	0.00	89.5 (2-Lane)
1.200	25.10	2.57	0.00	102.7 (1-Lane)
1.300	13.67	3.28	0.00	131.1 (2-Lane)
1.300	15.69	3.76	0.00	150.4 (1-Lane)
1.400	6.08	2.71	0.00	108.6 (2-Lane)
1.400	7.15	3.20	0.00	128.2 (1-Lane)
1.500	3.44	3.44	0.00	137.6 (2-Lane)
1.500	3.96	3.96	0.00	158.5 (1-Lane)
1.600	2.71	6.08	0.00	108.6 (2-Lane)
1.600	3.20	7.15	0.00	128.2 (1-Lane)
1.700	3.28	13.67	0.00	131.1 (2-Lane)
1.700	3.76	15.69	0.00	150.4 (1-Lane)
1.800	2.24	21.87	0.00	89.5 (2-Lane)
1.800	2.57	25.10	0.00	102.7 (1-Lane)
1.900	2.31	71.13	0.00	92.3 (2-Lane)
1.900	2.65	81.64	0.00	106.0 (1-Lane)
1.949	1.68	169.97	0.00	67.4 (2-Lane)
1.949	1.93	195.08	0.00	77.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 613

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	174.7	28.6	181.49 R	0.00	136.46	0.00
1.200	354.4	50.8	298.98 R	0.00	224.79	0.00
1.300	465.1	66.7	391.35 R	0.00	294.25	0.00
1.400	531.6	76.2	433.25 R	0.00	325.75	0.00
1.500	553.7	79.4	425.24 R	0.00	317.97 R	0.00

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1.600	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58
1.700	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02
1.800	354.4	50.8	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09
1.900	199.3	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

III-INV

Rating Live Load:

STRESSES

Rating Type:

3S2

Rating Live Load:

Span

Service Resistance

Available Resistance for LL+I

	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
Top	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

III-INV S

Rating Live Load:

3S2

Service

Rating

Load

Span	top	Rating	Factor	bottom	Rating	Load
	fiber	Value		fiber	Value	Resistance
	+bend			-bend		(tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.300	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8 (2-Lane)
1.500	28.16	999.00	8.59	999.00	0.00	343.4 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.700	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.900	60.94	999.00	18.49	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.73	999.00	0.00	989.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 615

MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	99.2	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 616

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	685.9 (2-Lane)
1.100	22.93	999.00	22.93	999.00	0.00	917.4 (1-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.200	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.300	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.300	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.400	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.400	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.500	6.76	999.00	6.76	999.00	0.00	270.4 (2-Lane)
1.500	9.04	999.00	9.04	999.00	0.00	361.6 (1-Lane)
1.600	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.600	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.700	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.700	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.800	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.900	17.06	999.00	17.06	999.00	0.00	682.3 (2-Lane)
1.900	22.81	999.00	22.81	999.00	0.00	912.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 618

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.57	0.00	54.56	0.00	63.22	0.00	47.54
1.100	43.8	5.6	66.89	0.00	50.29	0.00	58.28	0.00	43.82
1.200	29.3	4.2	55.21	0.00	41.51	0.00	48.10	0.00	36.17
1.300	19.5	2.8	43.53	0.00	32.73	0.00	37.92	0.00	28.51
1.400	9.8	1.4	33.97	0.00	25.54	0.00	29.60	0.00	22.26
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30
1.600	-9.8	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26
1.700	-19.5	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51
1.800	-29.3	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17
1.900	-39.0	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82
1.949	-43.7	-12.5	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (2-Lane)
1.400	90.9	30.6	121.5	-132.7	110.4 (1-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (2-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (1-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (2-Lane)
1.600	90.9	30.6	121.5	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	205.70	1.88	0.00	75.4 (2-Lane)
1.051	236.09	2.16	0.00	86.5 (1-Lane)
1.100	85.84	2.52	0.00	100.8 (2-Lane)
1.100	98.52	2.89	0.00	115.7 (1-Lane)
1.200	26.56	2.60	0.00	104.0 (2-Lane)
1.200	30.48	2.98	0.00	119.4 (1-Lane)
1.300	16.60	3.83	0.00	153.3 (2-Lane)

1.300	19.05	4.40	0.00	175.9 (1-Lane)
1.400	6.92	3.18	0.00	127.4 (2-Lane)
1.400	8.07	3.73	0.00	149.1 (1-Lane)
1.500	3.72	3.72	0.00	148.8 (2-Lane)
1.500	4.26	4.26	0.00	170.5 (1-Lane)
1.600	3.19	6.92	0.00	127.4 (2-Lane)
1.600	3.73	8.07	0.00	149.2 (1-Lane)
1.700	3.83	16.60	0.00	153.3 (2-Lane)
1.700	4.40	19.05	0.00	175.9 (1-Lane)
1.800	2.60	26.56	0.00	104.0 (2-Lane)
1.800	2.98	30.48	0.00	119.4 (1-Lane)
1.900	2.69	86.37	0.00	107.6 (2-Lane)
1.900	3.09	99.13	0.00	123.5 (1-Lane)
1.949	1.96	206.39	0.00	78.6 (2-Lane)
1.949	2.26	236.89	0.00	90.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	79.4	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 621

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 622

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating	Factor	Rating	Load
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	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend	Value	Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)
1.300	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.300	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)
1.400	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.0 (1-Lane)
1.600	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)
1.700	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.700	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)
1.900	71.00	999.00	21.55	999.00	0.00	862.0 (2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 623

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	692.1	99.2	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Resistance Bending Bott.	Available Resistance for LL+I Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.72	999.00	15.72	999.00	0.00	424.5 (2-Lane)
1.100	21.03	999.00	21.03	999.00	0.00	567.7 (1-Lane)
1.200	8.62	999.00	8.62	999.00	0.00	232.7 (2-Lane)
1.200	11.52	999.00	11.52	999.00	0.00	311.2 (1-Lane)
1.300	6.53	999.00	6.53	999.00	0.00	176.4 (2-Lane)
1.300	8.74	999.00	8.74	999.00	0.00	235.9 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	152.0 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	203.3 (1-Lane)
1.500	5.44	999.00	5.44	999.00	0.00	147.0 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	196.5 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	152.0 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	203.3 (1-Lane)
1.700	6.53	999.00	6.53	999.00	0.00	176.4 (2-Lane)
1.700	8.74	999.00	8.74	999.00	0.00	235.9 (1-Lane)
1.800	8.62	999.00	8.62	999.00	0.00	232.7 (2-Lane)
1.800	11.52	999.00	11.52	999.00	0.00	311.2 (1-Lane)
1.900	15.64	999.00	15.64	999.00	0.00	422.3 (2-Lane)
1.900	20.92	999.00	20.92	999.00	0.00	564.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	77.46	0.00	58.24	0.00
1.100	43.8	5.2	72.95	0.00	54.85	0.00
1.200	29.3	4.2	63.68	0.00	47.88	0.00
1.300	19.5	2.8	54.40	0.00	40.90	0.00
1.400	9.8	1.4	45.13	0.00	33.93	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00
1.600	-9.8	-1.4	-45.13	0.00	-33.93	0.00
1.700	-19.5	-2.8	-54.40	0.00	-40.90	0.00
1.800	-29.3	-4.2	-63.68	0.00	-47.88	0.00
1.900	-39.0	-5.6	-72.95	0.00	-54.85	0.00
1.949	-43.7	-12.5	-77.46	0.00	-58.24	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 627

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU4

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)

1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	95.3	30.6	125.9	-137.0	114.7 (2-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (1-Lane)
1.500	57.9	48.2	106.2	-106.2	106.2 (2-Lane)
1.500	58.5	48.2	106.7	-106.7	106.7 (1-Lane)
1.600	95.3	30.6	125.9	-114.7	137.0 (2-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.76	0.00	47.7 (2-Lane)
1.051	194.43	2.03	0.00	54.7 (1-Lane)
1.100	70.69	2.31	0.00	62.4 (2-Lane)
1.100	81.13	2.65	0.00	71.6 (1-Lane)
1.200	20.17	2.26	0.00	60.9 (2-Lane)
1.200	23.15	2.59	0.00	69.9 (1-Lane)
1.300	11.98	3.07	0.00	82.8 (2-Lane)
1.300	13.75	3.52	0.00	95.0 (1-Lane)
1.400	5.16	2.54	0.00	68.6 (2-Lane)
1.400	6.06	3.00	0.00	81.0 (1-Lane)
1.500	2.96	2.96	0.00	79.9 (2-Lane)
1.500	3.42	3.42	0.00	92.2 (1-Lane)
1.600	2.54	5.16	0.00	68.6 (2-Lane)
1.600	3.00	6.06	0.00	81.0 (1-Lane)
1.700	3.07	11.98	0.00	82.8 (2-Lane)
1.700	3.52	13.75	0.00	95.0 (1-Lane)
1.800	2.26	20.17	0.00	60.9 (2-Lane)
1.800	2.59	23.15	0.00	69.9 (1-Lane)
1.900	2.47	71.13	0.00	66.6 (2-Lane)
1.900	2.83	81.64	0.00	76.4 (1-Lane)
1.949	1.84	169.97	0.00	49.7 (2-Lane)
1.949	2.11	195.08	0.00	57.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	354.4	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	465.1	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	531.6	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	553.7	79.4	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	531.6	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	465.1	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	354.4	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	199.3	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: SU4
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S
 Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00	533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00	713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
 Rating Live Load: SU5

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	

Span Dead Load Superimposed Live Load w/impact Live Load w/o impact Live Load w/impact Live Load w/o impact
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9999999_20120831cy17_FlexuralRpt.txt										
	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	99.2	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.17	999.00	14.17	999.00	0.00	439.2 (2-Lane)
1.100	18.95	999.00	18.95	999.00	0.00	587.3 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.200	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.300	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.300	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.400	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.400	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.500	4.99	999.00	4.99	999.00	0.00	154.7 (2-Lane)
1.500	6.67	999.00	6.67	999.00	0.00	206.8 (1-Lane)
1.600	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.600	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.700	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.700	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.800	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.900	14.09	999.00	14.09	999.00	0.00	436.9 (2-Lane)
1.900	18.85	999.00	18.85	999.00	0.00	584.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	86.14	0.00	64.77	0.00	75.05	0.00	56.43	0.00
1.100	43.8	5.6	80.96	0.00	60.88	0.00	70.54	0.00	53.04	0.00
1.200	29.3	4.2	70.32	0.00	52.87	0.00	61.26	0.00	46.06	0.00
1.300	19.5	2.8	59.67	0.00	44.86	0.00	51.99	0.00	39.09	0.00
1.400	9.8	1.4	49.02	0.00	36.85	0.00	42.71	0.00	32.11	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13	0.00
1.600	-9.8	-1.4	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11	0.00
1.700	-19.5	-2.8	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09	0.00
1.800	-29.3	-4.2	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06	0.00
1.900	-39.0	-5.6	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04	0.00
1.949	-43.7	-12.5	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	96.1	30.6	126.7	-137.8	115.5 (2-Lane)
1.400	99.7	30.6	130.3	-141.5	119.2 (1-Lane)
1.500	58.8	48.2	107.0	-107.0	107.0 (2-Lane)
1.500	59.6	48.2	107.9	-107.9	107.9 (1-Lane)
1.600	96.1	30.6	126.7	-115.5	137.8 (2-Lane)
1.600	99.7	30.6	130.3	-119.2	141.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.59	0.00	49.2 (2-Lane)
1.051	194.43	1.82	0.00	56.5 (1-Lane)
1.100	70.69	2.08	0.00	64.6 (2-Lane)
1.100	81.13	2.39	0.00	74.1 (1-Lane)
1.200	20.17	2.04	0.00	63.3 (2-Lane)
1.200	23.15	2.34	0.00	72.7 (1-Lane)
1.300	11.20	2.80	0.00	86.7 (2-Lane)
1.300	12.86	3.21	0.00	99.5 (1-Lane)
1.400	4.97	2.36	0.00	73.1 (2-Lane)
1.400	5.86	2.79	0.00	86.5 (1-Lane)
1.500	2.79	2.79	0.00	86.5 (2-Lane)
1.500	3.23	3.23	0.00	100.0 (1-Lane)

1.600	2.36	4.97	0.00	73.1 (2-Lane)
1.600	2.79	5.86	0.00	86.5 (1-Lane)
1.700	2.80	11.20	0.00	86.7 (2-Lane)
1.700	3.21	12.86	0.00	99.5 (1-Lane)
1.800	2.04	20.17	0.00	63.3 (2-Lane)
1.800	2.34	23.15	0.00	72.7 (1-Lane)
1.900	2.22	71.13	0.00	68.9 (2-Lane)
1.900	2.55	81.64	0.00	79.1 (1-Lane)
1.949	1.65	169.97	0.00	51.3 (2-Lane)
1.949	1.90	195.08	0.00	58.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 637

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	79.4	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 637

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)	
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)	
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)	
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)	
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)	
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)	
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)	
1.400	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)	
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)	
1.500	24.63	999.00	7.51	999.00	0.00	232.8 (1-Lane)	
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)	
1.600	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)	
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)	
1.700	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)	
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)	
1.800	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)	
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)	
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	99.2	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.42	999.00	13.42	999.00	0.00	466.5 (2-Lane)
1.100	17.95	999.00	17.95	999.00	0.00	623.8 (1-Lane)
1.200	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.200	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.300	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.400	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.400	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.500	4.48	999.00	4.48	999.00	0.00	155.6 (2-Lane)
1.500	5.99	999.00	5.99	999.00	0.00	208.1 (1-Lane)
1.600	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.600	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.700	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.800	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.800	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.900	13.35	999.00	13.35	999.00	0.00	464.0 (2-Lane)
1.900	17.86	999.00	17.86	999.00	0.00	620.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 642

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.25	0.00	68.61	0.00	79.51	0.00	59.78	0.00
1.100	43.8	5.6	85.45	0.00	64.25	0.00	74.45	0.00	55.98	0.00
1.200	29.3	4.2	73.51	0.00	55.27	0.00	64.05	0.00	48.16	0.00
1.300	19.5	2.8	61.58	0.00	46.30	0.00	53.65	0.00	40.34	0.00
1.400	9.8	1.4	49.64	0.00	37.32	0.00	43.25	0.00	32.52	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70	0.00
1.600	-9.8	-1.4	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52	0.00
1.700	-19.5	-2.8	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34	0.00
1.800	-29.3	-4.2	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16	0.00
1.900	-39.0	-5.6	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98	0.00
1.949	-43.7	-12.5	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	92.7	30.6	123.3	-134.4	112.2 (2-Lane)
1.400	96.7	30.6	127.3	-138.4	116.1 (1-Lane)
1.500	55.2	48.2	103.4	-103.4	103.4 (2-Lane)

1.500	56.3	48.2	104.5	-104.5	104.5 (1-Lane)
1.600	92.7	30.6	123.3	-112.2	134.5 (2-Lane)
1.600	96.7	30.6	127.3	-116.1	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.50	0.00	52.1 (2-Lane)
1.051	287.42	1.72	0.00	59.8 (1-Lane)
1.100	119.54	1.97	0.00	68.6 (2-Lane)
1.100	137.20	2.27	0.00	78.7 (1-Lane)
1.200	25.49	1.95	0.00	67.9 (2-Lane)
1.200	29.25	2.24	0.00	77.9 (1-Lane)
1.300	12.48	2.71	0.00	94.1 (2-Lane)
1.300	14.32	3.11	0.00	108.0 (1-Lane)
1.400	5.00	2.26	0.00	78.5 (2-Lane)
1.400	5.91	2.68	0.00	93.3 (1-Lane)
1.500	2.74	2.74	0.00	95.3 (2-Lane)
1.500	3.18	3.18	0.00	110.6 (1-Lane)
1.600	2.26	5.00	0.00	78.5 (2-Lane)
1.600	2.68	5.91	0.00	93.3 (1-Lane)
1.700	2.71	12.48	0.00	94.1 (2-Lane)
1.700	3.11	14.32	0.00	108.0 (1-Lane)
1.800	1.95	25.49	0.00	67.9 (2-Lane)
1.800	2.24	29.25	0.00	77.9 (1-Lane)
1.900	2.11	120.28	0.00	73.2 (2-Lane)
1.900	2.42	138.05	0.00	84.0 (1-Lane)
1.949	1.56	251.26	0.00	54.3 (2-Lane)
1.949	1.79	288.39	0.00	62.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	79.4	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 645

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: III-INV
 Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: III-INV S
 Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: I-INV
 Rating Live Load: SU7

Span	DC		DW		(2-Lane)		(1-Lane)	
	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00
1.200	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00
1.300	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00
1.400	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00

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1.500	692.1	99.2	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08
1.600	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39
1.700	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37
1.800	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84
1.900	249.2	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

I-INV

Rating Live Load:

SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

I-INV

Rating Live Load:

SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	497.1 (2-Lane)
1.100	17.16	999.00	17.16	999.00	0.00	664.8 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.200	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.300	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.300	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.400	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.400	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.8 (2-Lane)
1.500	5.52	999.00	5.52	999.00	0.00	213.8 (1-Lane)
1.600	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.600	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.700	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.700	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.800	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.900	12.76	999.00	12.76	999.00	0.00	494.5 (2-Lane)
1.900	17.07	999.00	17.07	999.00	0.00	661.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

I-INV

Rating Live Load:

SU7

Gamma	DC		DW		(2-Lane) LL 1.75		(1-Lane) LL 1.75	
	1.25		1.25					
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	95.88	0.00	72.09	0.00	83.54	0.00
1.100	43.8	5.6	89.41	0.00	67.23	0.00	77.90	0.00
1.200	29.3	4.2	76.10	0.00	57.22	0.00	66.30	0.00
1.300	19.5	2.8	62.78	0.00	47.21	0.00	54.70	0.00
1.400	9.8	1.4	49.47	0.00	37.20	0.00	43.10	0.00
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00
1.600	-9.8	-1.4	-49.47	0.00	-37.20	0.00	-43.10	0.00
1.700	-19.5	-2.8	-62.78	0.00	-47.21	0.00	-54.70	0.00
1.800	-29.3	-4.2	-76.10	0.00	-57.22	0.00	-66.30	0.00
1.900	-39.0	-5.6	-89.41	0.00	-67.23	0.00	-77.90	0.00
1.949	-43.7	-12.5	-95.88	0.00	-72.09	0.00	-83.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.2	30.6	119.8	-131.0	108.7 (2-Lane)
1.400	93.4	30.6	124.0	-135.2	112.9 (1-Lane)
1.500	52.1	48.2	100.3	-100.3	100.3 (2-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (1-Lane)
1.600	89.2	30.6	119.8	-108.7	131.0 (2-Lane)
1.600	93.4	30.6	124.0	-112.9	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-INV

Rating Live Load: SU7

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.43	0.00	55.3 (2-Lane)
1.051	287.42	1.64	0.00	63.4 (1-Lane)
1.100	135.39	1.89	0.00	73.1 (2-Lane)
1.100	155.39	2.16	0.00	83.9 (1-Lane)
1.200	33.65	1.89	0.00	73.1 (2-Lane)
1.200	38.62	2.17	0.00	83.9 (1-Lane)
1.300	14.32	2.66	0.00	102.9 (2-Lane)
1.300	16.43	3.05	0.00	118.2 (1-Lane)
1.400	5.16	2.20	0.00	85.1 (2-Lane)
1.400	6.11	2.62	0.00	101.5 (1-Lane)
1.500	2.73	2.73	0.00	105.8 (2-Lane)
1.500	3.17	3.17	0.00	123.0 (1-Lane)
1.600	2.20	5.16	0.00	85.1 (2-Lane)
1.600	2.62	6.11	0.00	101.5 (1-Lane)
1.700	2.66	14.32	0.00	102.9 (2-Lane)
1.700	3.05	16.43	0.00	118.2 (1-Lane)
1.800	1.89	33.65	0.00	73.1 (2-Lane)
1.800	2.17	38.62	0.00	83.9 (1-Lane)

1.900	2.01	136.23	0.00	78.0 (2-Lane)
1.900	2.31	156.36	0.00	89.5 (1-Lane)
1.949	1.49	251.26	0.00	57.6 (2-Lane)
1.949	1.71	288.39	0.00	66.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 653

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.00	1.00	(2-Lane) 0.80	(1-Lane) 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	79.4	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)

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1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 655

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: HL93

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	99.2	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 656

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 657

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	Rating top fiber +bend	Factor -bend	bottom fiber +bend	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.5 (2-Lane)
1.100	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.200	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.300	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.400	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.400	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.500	4.77	999.00	4.77	999.00	0.00	171.7 (2-Lane)
1.500	6.38	999.00	6.38	999.00	0.00	229.6 (1-Lane)
1.600	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.600	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.700	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.800	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	475.0 (2-Lane)
1.900	17.65	999.00	17.65	999.00	0.00	635.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 658

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.11	0.00	72.55	0.00	79.38	0.00	63.21	0.00
1.100	43.8	5.6	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	29.3	4.2	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	19.5	2.8	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	9.8	1.4	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-9.8	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-19.5	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00
1.800	-29.3	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82	0.00
1.900	-39.0	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75	0.00
1.949	-43.7	-12.5	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 659

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.0	30.6	123.6	-134.7	112.4 (2-Lane)
1.400	96.8	30.6	127.3	-138.5	116.2 (1-Lane)
1.500	55.4	48.2	103.7	-103.7	103.7 (2-Lane)
1.500	56.4	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.0	30.6	123.6	-112.4	134.7 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)

1.900 77.5 147.0 224.5 -179.9 9999999_20120831cy17_FlexuralRpt.txt 269.1 (1-Lane)
1.949 67.0 131.9 198.8 -142.5 255.1 (2-Lane)
1.949 67.0 131.9 198.8 -142.5 255.1 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 660

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.50	0.00	54.0 (2-Lane)
1.051	133.90	1.72	0.00	62.0 (1-Lane)
1.100	62.31	1.99	0.00	71.5 (2-Lane)
1.100	71.52	2.28	0.00	82.1 (1-Lane)
1.200	18.08	1.99	0.00	71.6 (2-Lane)
1.200	20.75	2.28	0.00	82.1 (1-Lane)
1.300	11.03	2.78	0.00	100.1 (2-Lane)
1.300	12.66	3.19	0.00	114.9 (1-Lane)
1.400	4.98	2.34	0.00	84.2 (2-Lane)
1.400	5.87	2.77	0.00	99.9 (1-Lane)
1.500	2.84	2.84	0.00	102.1 (2-Lane)
1.500	3.29	3.29	0.00	118.3 (1-Lane)
1.600	2.34	4.98	0.00	84.2 (2-Lane)
1.600	2.77	5.87	0.00	99.9 (1-Lane)
1.700	2.78	11.03	0.00	100.1 (2-Lane)
1.700	3.19	12.66	0.00	114.9 (1-Lane)
1.800	1.99	18.08	0.00	71.6 (2-Lane)
1.800	2.28	20.75	0.00	82.1 (1-Lane)
1.900	2.12	60.16	0.00	76.3 (2-Lane)
1.900	2.43	69.05	0.00	87.6 (1-Lane)
1.949	1.57	114.54	0.00	56.3 (2-Lane)
1.949	1.80	131.46	0.00	64.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 662

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	99.2	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 663

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HS20

Span	Positive	Moment Bending	Resistance Negative	Bending	Available Resistance for LL+I
					Positive Bending Negative Bending

	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00		999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00		999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.34	999.00		16.34	999.00	326.87	588.4 (2-Lane)
1.100	21.86	999.00		21.86	999.00	437.14	786.9 (1-Lane)
1.200	9.05	999.00		9.05	999.00	180.97	325.8 (2-Lane)
1.200	12.10	999.00		12.10	999.00	242.03	435.7 (1-Lane)
1.300	6.96	999.00		6.96	999.00	139.12	250.4 (2-Lane)
1.300	9.30	999.00		9.30	999.00	186.06	334.9 (1-Lane)
1.400	6.11	999.00		6.11	999.00	122.21	220.0 (2-Lane)
1.400	8.17	999.00		8.17	999.00	163.44	294.2 (1-Lane)
1.500	6.01	999.00		6.01	999.00	120.29	216.5 (2-Lane)
1.500	8.04	999.00		8.04	999.00	160.87	289.6 (1-Lane)
1.600	6.11	999.00		6.11	999.00	122.21	220.0 (2-Lane)
1.600	8.17	999.00		8.17	999.00	163.44	294.2 (1-Lane)
1.700	6.96	999.00		6.96	999.00	139.12	250.4 (2-Lane)
1.700	9.30	999.00		9.30	999.00	186.06	334.9 (1-Lane)
1.800	9.05	999.00		9.05	999.00	180.97	325.8 (2-Lane)
1.800	12.10	999.00		12.10	999.00	242.03	435.7 (1-Lane)
1.900	16.26	999.00		16.26	999.00	325.14	585.3 (2-Lane)
1.900	21.74	999.00		21.74	999.00	434.84	782.7 (1-Lane)
1.949	999.00	999.00		999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00		999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35	(1-Lane) LL 1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.82	0.00	56.26	0.00
1.100	43.8	5.6	70.18	0.00	52.77	0.00
1.200	29.3	4.2	60.64	0.00	45.60	0.00
1.300	19.5	2.8	51.10	0.00	38.42	0.00
1.400	9.8	1.4	41.56	0.00	31.25	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00
1.600	-9.8	-1.4	-41.56	0.00	-31.25	0.00
1.700	-19.5	-2.8	-51.10	0.00	-38.42	0.00
1.800	-29.3	-4.2	-60.64	0.00	-45.60	0.00
1.900	-39.0	-5.6	-70.18	0.00	-52.77	0.00
1.949	-43.7	-12.5	-74.82	0.00	-56.26	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HS20

	Shear Vc	Resistance Vs	Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.8	30.6	124.3	-135.5	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.3	116.0 (1-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (2-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (1-Lane)
1.600	93.8	30.6	124.3	-113.2	135.5 (2-Lane)
1.600	96.6	30.6	127.2	-116.0	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: HS20

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
Shear				
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.83	36.55	65.8 (2-Lane)
1.051	133.90	2.10	41.95	75.5 (1-Lane)
1.100	63.07	2.40	48.05	86.5 (2-Lane)
1.100	72.39	2.76	55.14	99.3 (1-Lane)
1.200	24.82	2.37	47.35	85.2 (2-Lane)
1.200	28.49	2.72	54.35	97.8 (1-Lane)
1.300	14.10	3.26	65.28	117.5 (2-Lane)
1.300	16.19	3.75	74.93	134.9 (1-Lane)
1.400	5.77	2.72	54.47	98.0 (2-Lane)
1.400	6.76	3.20	64.07	115.3 (1-Lane)
1.500	3.23	3.23	64.68	116.4 (2-Lane)
1.500	3.72	3.72	74.38	133.9 (1-Lane)
1.600	2.72	5.77	54.47	98.0 (2-Lane)
1.600	3.20	6.76	64.08	115.3 (1-Lane)
1.700	3.26	14.10	65.28	117.5 (2-Lane)
1.700	3.75	16.19	74.93	134.9 (1-Lane)
1.800	2.37	24.82	47.35	85.2 (2-Lane)
1.800	2.72	28.49	54.35	97.8 (1-Lane)
1.900	2.56	63.46	51.27	92.3 (2-Lane)
1.900	2.94	72.84	58.84	105.9 (1-Lane)
1.949	1.90	117.05	38.10	68.6 (2-Lane)
1.949	2.19	134.35	43.73	78.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	99.2	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3

Moment					Rating Value	Load Resistance (tons)
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.51	999.00	22.51	999.00	0.00	562.8 (2-Lane)
1.100	30.11	999.00	30.11	999.00	0.00	752.7 (1-Lane)
1.200	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.200	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.300	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.300	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.400	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.500	8.03	999.00	8.03	999.00	0.00	200.8 (2-Lane)
1.500	10.74	999.00	10.74	999.00	0.00	268.5 (1-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.600	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.700	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.700	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.800	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.800	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.900	22.40	999.00	22.40	999.00	0.00	559.9 (2-Lane)
1.900	29.95	999.00	29.95	999.00	0.00	748.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	54.17	0.00	40.73	0.00	47.20	0.00
1.100	43.8	5.6	50.95	0.00	38.31	0.00	44.39	0.00
1.200	29.3	4.2	44.32	0.00	33.33	0.00	38.62	0.00
1.300	19.5	2.8	37.70	0.00	28.34	0.00	32.84	0.00
1.400	9.8	1.4	31.07	0.00	23.36	0.00	27.07	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00
1.600	-9.8	-1.4	-31.07	0.00	-23.36	0.00	-27.07	0.00
1.700	-19.5	-2.8	-37.70	0.00	-28.34	0.00	-32.84	0.00
1.800	-29.3	-4.2	-44.32	0.00	-33.33	0.00	-38.62	0.00
1.900	-39.0	-5.6	-50.95	0.00	-38.31	0.00	-44.39	0.00
1.949	-43.7	-12.5	-54.17	0.00	-40.73	0.00	-47.20	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.3	108.0 (2-Lane)
1.400	90.3	30.6	120.8	-132.0	109.7 (1-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.6	30.6	119.2	-108.0	130.3 (2-Lane)
1.600	90.3	30.6	120.8	-109.7	132.0 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.52	0.00	63.1 (2-Lane)
1.051	252.04	2.90	0.00	72.4 (1-Lane)
1.100	91.64	3.31	0.00	82.7 (2-Lane)
1.100	105.17	3.80	0.00	95.0 (1-Lane)
1.200	28.35	3.24	0.00	81.0 (2-Lane)
1.200	32.54	3.72	0.00	92.9 (1-Lane)
1.300	17.72	4.43	0.00	110.6 (2-Lane)
1.300	20.34	5.08	0.00	127.0 (1-Lane)
1.400	7.31	3.48	0.00	86.9 (2-Lane)

1.400	8.50	4.05	0.00	101.3 (1-Lane)
1.500	4.03	4.03	0.00	100.6 (2-Lane)
1.500	4.59	4.59	0.00	114.8 (1-Lane)
1.600	3.48	7.31	0.00	86.9 (2-Lane)
1.600	4.05	8.50	0.00	101.3 (1-Lane)
1.700	4.43	17.72	0.00	110.6 (2-Lane)
1.700	5.08	20.34	0.00	127.0 (1-Lane)
1.800	3.24	28.35	0.00	81.0 (2-Lane)
1.800	3.72	32.54	0.00	92.9 (1-Lane)
1.900	3.53	92.21	0.00	88.3 (2-Lane)
1.900	4.05	105.83	0.00	101.3 (1-Lane)
1.949	2.63	220.33	0.00	65.8 (2-Lane)
1.949	3.02	252.89	0.00	75.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 676

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	99.2	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 677

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.08	999.00	19.08	999.00	0.00	763.1 (2-Lane)
1.100	25.51	999.00	25.51	999.00	0.00	999.0 (1-Lane)
1.200	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.200	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.300	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.300	11.00	999.00	11.00	999.00	0.00	440.0 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.500	7.39	999.00	7.39	999.00	0.00	295.7 (2-Lane)
1.500	9.89	999.00	9.89	999.00	0.00	395.5 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.700	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.700	11.00	999.00	11.00	999.00	0.00	440.0 (1-Lane)
1.800	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.800	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.900	18.98	999.00	18.98	999.00	0.00	759.1 (2-Lane)
1.900	25.38	999.00	25.38	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	43.8	5.6	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	29.3	4.2	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	19.5	2.8	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	9.8	1.4	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-9.8	-1.4	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-19.5	-2.8	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-29.3	-4.2	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-39.0	-5.6	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-43.7	-12.5	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	83.9	30.6	114.5	-125.7	103.4 (2-Lane)
1.400	86.1	30.6	116.6	-127.8	105.5 (1-Lane)
1.500	45.0	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.7	48.2	92.9	-92.9	92.9 (1-Lane)
1.600	83.9	30.6	114.5	-103.4	125.7 (2-Lane)
1.600	86.1	30.6	116.6	-105.5	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.63	0.00	105.1 (2-Lane)
1.051	252.04	3.02	0.00	120.6 (1-Lane)
1.100	91.64	2.80	0.00	112.2 (2-Lane)
1.100	105.17	3.22	0.00	128.7 (1-Lane)
1.200	28.35	2.90	0.00	116.0 (2-Lane)
1.200	32.54	3.33	0.00	133.1 (1-Lane)
1.300	17.72	4.25	0.00	169.9 (2-Lane)
1.300	20.34	4.88	0.00	195.0 (1-Lane)
1.400	7.65	3.39	0.00	135.5 (2-Lane)
1.400	8.92	3.97	0.00	158.8 (1-Lane)
1.500	4.26	4.26	0.00	170.3 (2-Lane)
1.500	4.87	4.87	0.00	194.8 (1-Lane)
1.600	3.39	7.65	0.00	135.5 (2-Lane)
1.600	3.97	8.92	0.00	158.8 (1-Lane)
1.700	4.25	17.72	0.00	169.9 (2-Lane)
1.700	4.88	20.34	0.00	195.0 (1-Lane)
1.800	2.90	28.35	0.00	116.0 (2-Lane)
1.800	3.33	32.54	0.00	133.1 (1-Lane)
1.900	2.99	92.21	0.00	119.7 (2-Lane)
1.900	3.43	105.83	0.00	137.4 (1-Lane)
1.949	2.18	220.33	0.00	87.3 (2-Lane)
1.949	2.51	252.89	0.00	100.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 683

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	692.1	99.2	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	249.2	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 684

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
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1.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	889.2 (2-Lane)
1.100	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.200	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.300	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.300	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.400	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.400	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	350.5 (2-Lane)
1.500	11.72	999.00	11.72	999.00	0.00	468.8 (1-Lane)
1.600	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.600	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.700	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.700	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.800	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	884.5 (2-Lane)
1.900	29.57	999.00	29.57	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35			(1-Lane) LL 1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane		
1.000	48.8	0.0	0.00	0.00	0.00	0.00		
1.051	46.2	6.3	55.98	0.00	42.09	0.00		
1.100	43.8	5.6	51.60	0.00	38.80	0.00		
1.200	29.3	4.2	42.59	0.00	32.02	0.00		
1.300	19.5	2.8	33.58	0.00	25.25	0.00		
1.400	9.8	1.4	26.21	0.00	19.71	0.00		
1.500	0.0	0.0	20.38	0.00	15.32	0.00		
1.600	-9.8	-1.4	-26.21	0.00	-19.71	0.00		
1.700	-19.5	-2.8	-33.58	0.00	-25.25	0.00		
1.800	-29.3	-4.2	-42.59	0.00	-32.02	0.00		
1.900	-39.0	-5.6	-51.60	0.00	-38.80	0.00		
1.949	-43.7	-12.5	-55.98	0.00	-42.09	0.00		
2.000	-48.8	0.0	0.00	0.00	0.00	0.00		

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3-3

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs Vn		(-) (+)	
1.000	0.0 0.0 0.0		0.0 0.0	(2-Lane)
1.000	0.0 0.0 0.0		0.0 0.0	(1-Lane)
1.051	65.6 129.9 195.5		-254.3 136.7	(2-Lane)
1.051	65.6 129.9 195.5		-254.3 136.7	(1-Lane)
1.100	74.9 143.2 218.0		-267.4 168.6	(2-Lane)
1.100	74.9 143.2 218.0		-267.4 168.6	(1-Lane)
1.200	94.4 82.6 177.0		-210.5 143.6	(2-Lane)
1.200	94.4 82.6 177.0		-210.5 143.6	(1-Lane)
1.300	106.5 82.6 189.1		-211.4 166.8	(2-Lane)
1.300	106.5 82.6 189.1		-211.4 166.8	(1-Lane)
1.400	84.2 30.6 114.8		-126.0 103.7	(2-Lane)
1.400	85.5 30.6 116.1		-127.2 104.9	(1-Lane)
1.500	45.2 48.2 93.4		-93.4 93.4	(2-Lane)
1.500	44.5 48.2 92.7		-92.7 92.7	(1-Lane)
1.600	84.2 30.6 114.8		-103.7 126.0	(2-Lane)
1.600	85.5 30.6 116.1		-104.9 127.2	(1-Lane)
1.700	106.5 82.6 189.1		-166.8 211.4	(2-Lane)
1.700	106.5 82.6 189.1		-166.8 211.4	(1-Lane)
1.800	94.4 82.6 177.0		-143.6 210.5	(2-Lane)
1.800	94.4 82.6 177.0		-143.6 210.5	(1-Lane)
1.900	77.5 147.0 224.5		-179.9 269.1	(2-Lane)
1.900	77.5 147.0 224.5		-179.9 269.1	(1-Lane)
1.949	67.0 131.9 198.8		-142.5 255.1	(2-Lane)
1.949	67.0 131.9 198.8		-142.5 255.1	(1-Lane)
2.000	0.0 0.0 0.0		0.0 0.0	(2-Lane)
2.000	0.0 0.0 0.0		0.0 0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	266.65	2.44	0.00	97.7 (2-Lane)
1.051	306.05	2.80	0.00	112.1 (1-Lane)
1.100	111.27	3.27	0.00	130.7 (2-Lane)
1.100	127.71	3.75	0.00	150.0 (1-Lane)
1.200	34.43	3.37	0.00	134.8 (2-Lane)
1.200	39.51	3.87	0.00	154.8 (1-Lane)
1.300	21.52	4.97	0.00	198.7 (2-Lane)
1.300	24.70	5.70	0.00	228.1 (1-Lane)
1.400	8.66	3.95	0.00	158.2 (2-Lane)
1.400	10.04	4.60	0.00	183.8 (1-Lane)
1.500	4.58	4.58	0.00	183.3 (2-Lane)
1.500	5.22	5.22	0.00	208.8 (1-Lane)
1.600	3.96	8.66	0.00	158.2 (2-Lane)
1.600	4.60	10.04	0.00	183.8 (1-Lane)
1.700	4.97	21.52	0.00	198.7 (2-Lane)
1.700	5.70	24.70	0.00	228.1 (1-Lane)
1.800	3.37	34.43	0.00	134.8 (2-Lane)
1.800	3.87	39.51	0.00	154.8 (1-Lane)
1.900	3.49	111.96	0.00	139.5 (2-Lane)
1.900	4.00	128.51	0.00	160.1 (1-Lane)
1.949	2.55	267.55	0.00	101.9 (2-Lane)
1.949	2.92	307.08	0.00	116.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	99.2	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU4

Moment					
Span	top +bend	Rating fiber -bend	Factor bottom +bend	Rating fiber -bend	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	20.38	999.00	20.38	999.00	0.00 550.3 (2-Lane)
1.100	27.26	999.00	27.26	999.00	0.00 736.0 (1-Lane)
1.200	11.17	999.00	11.17	999.00	0.00 301.6 (2-Lane)
1.200	14.94	999.00	14.94	999.00	0.00 403.4 (1-Lane)
1.300	8.47	999.00	8.47	999.00	0.00 228.7 (2-Lane)
1.300	11.33	999.00	11.33	999.00	0.00 305.9 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00 197.1 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00 263.6 (1-Lane)
1.500	7.06	999.00	7.06	999.00	0.00 190.5 (2-Lane)
1.500	9.44	999.00	9.44	999.00	0.00 254.8 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00 197.1 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00 263.6 (1-Lane)
1.700	8.47	999.00	8.47	999.00	0.00 228.7 (2-Lane)
1.700	11.33	999.00	11.33	999.00	0.00 305.9 (1-Lane)
1.800	11.17	999.00	11.17	999.00	0.00 301.6 (2-Lane)
1.800	14.94	999.00	14.94	999.00	0.00 403.4 (1-Lane)
1.900	20.27	999.00	20.27	999.00	0.00 547.4 (2-Lane)
1.900	27.11	999.00	27.11	999.00	0.00 732.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	59.76	44.93	0.00	52.06
1.100	43.8	5.6	56.28	0.00	42.31	0.00
1.200	29.3	4.2	49.12	0.00	36.93	0.00
1.300	19.5	2.8	41.97	0.00	31.55	0.00
1.400	9.8	1.4	34.81	0.00	26.17	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00
1.600	-9.8	-1.4	-34.81	0.00	-26.17	0.00
1.700	-19.5	-2.8	-41.97	0.00	-31.55	0.00
1.800	-29.3	-4.2	-49.12	0.00	-36.93	0.00
1.900	-39.0	-5.6	-56.28	0.00	-42.31	0.00
1.949	-43.7	-12.5	-59.76	0.00	-44.93	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU4

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	90.5	30.6	121.1	-132.2	109.9 (2-Lane)
1.400	92.6	30.6	123.1	-134.3	112.0 (1-Lane)
1.500	52.6	48.2	100.8	-100.8	100.8 (2-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (1-Lane)
1.600	90.5	30.6	121.1	-109.9	132.2 (2-Lane)
1.600	92.6	30.6	123.1	-112.0	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.29	0.00	61.8 (2-Lane)
1.051	252.04	2.63	0.00	70.9 (1-Lane)
1.100	91.64	3.00	0.00	80.9 (2-Lane)
1.100	105.17	3.44	0.00	92.8 (1-Lane)
1.200	26.14	2.92	0.00	78.9 (2-Lane)
1.200	30.01	3.36	0.00	90.6 (1-Lane)
1.300	15.53	3.97	0.00	107.3 (2-Lane)
1.300	17.82	4.56	0.00	123.2 (1-Lane)
1.400	6.45	3.16	0.00	85.2 (2-Lane)
1.400	7.52	3.69	0.00	99.7 (1-Lane)
1.500	3.65	3.65	0.00	98.4 (2-Lane)
1.500	4.17	4.17	0.00	112.7 (1-Lane)

1.600	3.16	6.45	0.00	85.2 (2-Lane)
1.600	3.69	7.52	0.00	99.7 (1-Lane)
1.700	3.97	15.53	0.00	107.3 (2-Lane)
1.700	4.56	17.82	0.00	123.2 (1-Lane)
1.800	2.92	26.14	0.00	78.9 (2-Lane)
1.800	3.36	30.01	0.00	90.6 (1-Lane)
1.900	3.20	92.21	0.00	86.3 (2-Lane)
1.900	3.67	105.83	0.00	99.1 (1-Lane)
1.949	2.38	220.33	0.00	64.4 (2-Lane)
1.949	2.74	252.89	0.00	73.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	99.2	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 698

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.100	18.36	999.00	18.36	999.00	0.00 569.3 (2-Lane)
1.100	24.56	999.00	24.56	999.00	0.00 761.4 (1-Lane)
1.200	10.12	999.00	10.12	999.00	0.00 313.6 (2-Lane)
1.200	13.53	999.00	13.53	999.00	0.00 419.4 (1-Lane)
1.300	7.64	999.00	7.64	999.00	0.00 236.9 (2-Lane)
1.300	10.22	999.00	10.22	999.00	0.00 316.8 (1-Lane)
1.400	6.61	999.00	6.61	999.00	0.00 204.9 (2-Lane)
1.400	8.84	999.00	8.84	999.00	0.00 274.0 (1-Lane)
1.500	6.47	999.00	6.47	999.00	0.00 200.5 (2-Lane)
1.500	8.65	999.00	8.65	999.00	0.00 268.1 (1-Lane)
1.600	6.61	999.00	6.61	999.00	0.00 204.9 (2-Lane)
1.600	8.84	999.00	8.84	999.00	0.00 274.0 (1-Lane)
1.700	7.64	999.00	7.64	999.00	0.00 236.9 (2-Lane)
1.700	10.22	999.00	10.22	999.00	0.00 316.8 (1-Lane)
1.800	10.12	999.00	10.12	999.00	0.00 313.6 (2-Lane)
1.800	13.53	999.00	13.53	999.00	0.00 419.4 (1-Lane)
1.900	18.27	999.00	18.27	999.00	0.00 566.3 (2-Lane)
1.900	24.43	999.00	24.43	999.00	0.00 757.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 700

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	5.6	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.2	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	2.8	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.4	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.4	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-2.8	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.2	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-5.6	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-12.5	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.4	30.6	122.0	-133.1	110.8 (2-Lane)
1.400	93.9	30.6	124.5	-135.6	113.3 (1-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (2-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (1-Lane)
1.600	91.4	30.6	122.0	-110.8	133.1 (2-Lane)
1.600	93.9	30.6	124.5	-113.3	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.06	0.00	63.8 (2-Lane)
1.051	252.04	2.36	0.00	73.2 (1-Lane)
1.100	91.64	2.70	0.00	83.7 (2-Lane)
1.100	105.17	3.10	0.00	96.0 (1-Lane)
1.200	26.14	2.65	0.00	82.1 (2-Lane)
1.200	30.01	3.04	0.00	94.2 (1-Lane)
1.300	14.52	3.62	0.00	112.3 (2-Lane)
1.300	16.67	4.16	0.00	128.9 (1-Lane)
1.400	6.23	2.93	0.00	90.9 (2-Lane)
1.400	7.28	3.44	0.00	106.6 (1-Lane)
1.500	3.44	3.44	0.00	106.7 (2-Lane)
1.500	3.95	3.95	0.00	122.4 (1-Lane)
1.600	2.93	6.23	0.00	90.9 (2-Lane)
1.600	3.44	7.28	0.00	106.6 (1-Lane)
1.700	3.62	14.52	0.00	112.3 (2-Lane)
1.700	4.16	16.67	0.00	128.9 (1-Lane)
1.800	2.65	26.14	0.00	82.1 (2-Lane)
1.800	3.04	30.01	0.00	94.2 (1-Lane)
1.900	2.88	92.21	0.00	89.3 (2-Lane)
1.900	3.31	105.83	0.00	102.5 (1-Lane)
1.949	2.14	220.33	0.00	66.5 (2-Lane)
1.949	2.46	252.89	0.00	76.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	335.78 R	0.00	252.47	0.00
1.200	443.0	63.5	605.79 R	0.00	455.48	0.00
1.300	581.4	83.3	786.98 R	0.00	591.71	0.00
1.400	664.5	95.2	887.65 R	0.00	667.41	0.00
1.500	692.1	99.2	914.24 R	0.00	687.40	0.00
1.600	664.5	95.2	887.65 R	0.00	667.41	0.00
1.700	581.4	83.3	786.98 R	0.00	591.71	0.00
1.800	443.0	63.5	605.79 R	0.00	455.48	0.00
1.900	249.2	35.7	335.78 R	0.00	252.47	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 705

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7

9999999_20120831cy17_FlexuralRpt.txt									
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

I-OPER

Rating Live Load:

SU6

Moment									
Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
1.100	17.40	999.00		17.40	999.00	0.00	604.7	(2-Lane)	
1.100	23.27	999.00		23.27	999.00	0.00	808.7	(1-Lane)	
1.200	9.23	999.00		9.23	999.00	0.00	320.7	(2-Lane)	
1.200	12.34	999.00		12.34	999.00	0.00	428.9	(1-Lane)	
1.300	6.90	999.00		6.90	999.00	0.00	239.9	(2-Lane)	
1.300	9.23	999.00		9.23	999.00	0.00	320.8	(1-Lane)	
1.400	6.01	999.00		6.01	999.00	0.00	208.9	(2-Lane)	
1.400	8.04	999.00		8.04	999.00	0.00	279.4	(1-Lane)	
1.500	5.80	999.00		5.80	999.00	0.00	201.7	(2-Lane)	
1.500	7.76	999.00		7.76	999.00	0.00	269.7	(1-Lane)	
1.600	6.01	999.00		6.01	999.00	0.00	208.9	(2-Lane)	
1.600	8.04	999.00		8.04	999.00	0.00	279.4	(1-Lane)	
1.700	6.90	999.00		6.90	999.00	0.00	239.9	(2-Lane)	
1.700	9.23	999.00		9.23	999.00	0.00	320.8	(1-Lane)	
1.800	9.23	999.00		9.23	999.00	0.00	320.7	(2-Lane)	
1.800	12.34	999.00		12.34	999.00	0.00	428.9	(1-Lane)	
1.900	17.31	999.00		17.31	999.00	0.00	601.5	(2-Lane)	
1.900	23.15	999.00		23.15	999.00	0.00	804.4	(1-Lane)	
1.949	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type:

I-OPER

Rating Live Load:

SU6

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G04

Rating Type: I-OPER
Rating Live Load: SU6

	Shear Resistance	Available Resistance for LL+I
Vc	Vs Vn	(-) (+)
1.000	0.0 0.0	0.0 (2-Lane)
1.000	0.0 0.0	0.0 (1-Lane)
1.051	65.6 129.9	-254.3 136.7 (2-Lane)
1.051	65.6 129.9	-254.3 136.7 (1-Lane)
1.100	74.9 143.2	-267.4 168.6 (2-Lane)
1.100	74.9 143.2	-267.4 168.6 (1-Lane)
1.200	94.4 82.6	-210.5 143.6 (2-Lane)
1.200	94.4 82.6	-210.5 143.6 (1-Lane)
1.300	106.5 82.6	-211.4 166.8 (2-Lane)
1.300	106.5 82.6	-211.4 166.8 (1-Lane)
1.400	88.6 30.6	-130.4 108.1 (2-Lane)
1.400	91.5 30.6	-133.2 110.9 (1-Lane)
1.500	50.7 48.2	-98.9 98.9 (2-Lane)
1.500	50.9 48.2	-99.2 99.2 (1-Lane)
1.600	88.6 30.6	-108.1 130.4 (2-Lane)
1.600	91.5 30.6	-110.9 133.2 (1-Lane)
1.700	106.5 82.6	-166.8 211.4 (2-Lane)
1.700	106.5 82.6	-166.8 211.4 (1-Lane)
1.800	94.4 82.6	-143.6 210.5 (2-Lane)
1.800	94.4 82.6	-143.6 210.5 (1-Lane)
1.900	77.5 147.0	-179.9 269.1 (2-Lane)
1.900	77.5 147.0	-179.9 269.1 (1-Lane)
1.949	67.0 131.9	-142.5 255.1 (2-Lane)
1.949	67.0 131.9	-142.5 255.1 (1-Lane)
2.000	0.0 0.0	0.0 (2-Lane)
2.000	0.0 0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 709

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU6

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.94	0.00	67.5 (2-Lane)
1.051	372.58	2.23	0.00	77.5 (1-Lane)
1.100	154.95	2.56	0.00	88.9 (2-Lane)
1.100	177.85	2.94	0.00	102.0 (1-Lane)
1.200	33.04	2.53	0.00	88.0 (2-Lane)
1.200	37.92	2.91	0.00	101.0 (1-Lane)
1.300	16.18	3.51	0.00	122.0 (2-Lane)
1.300	18.57	4.03	0.00	140.1 (1-Lane)
1.400	6.28	2.82	0.00	98.1 (2-Lane)
1.400	7.37	3.32	0.00	115.5 (1-Lane)
1.500	3.40	3.40	0.00	118.2 (2-Lane)
1.500	3.91	3.91	0.00	136.0 (1-Lane)
1.600	2.82	6.28	0.00	98.1 (2-Lane)
1.600	3.32	7.37	0.00	115.5 (1-Lane)
1.700	3.51	16.18	0.00	122.0 (2-Lane)
1.700	4.03	18.57	0.00	140.1 (1-Lane)
1.800	2.53	33.04	0.00	88.0 (2-Lane)
1.800	2.91	37.92	0.00	101.0 (1-Lane)
1.900	2.73	155.92	0.00	94.8 (2-Lane)
1.900	3.13	178.95	0.00	108.9 (1-Lane)
1.949	2.03	325.71	0.00	70.4 (2-Lane)
1.949	2.32	373.83	0.00	80.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU7

Rating Live Load:		S		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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9999999_20120831cy17_FlexuralRpt.txt									
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52
1.200	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28
1.300	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26
1.400	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76
1.500	692.1	99.2	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81
1.600	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76
1.700	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26
1.800	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28
1.900	249.2	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G04									
Rating Type: I-OPER									
Rating Live Load: SU7									
Span	Moment Resistance				Available Resistance for LL+I				
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1	
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G04									
Rating Type: I-OPER									
Rating Live Load: SU7									
Span	Moment				Rating Value	Load Resistance (tons)			
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	fiber -bend					
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.100	16.63	999.00	16.63	999.00	0.00	644.4	(2-Lane)		
1.100	22.24	999.00	22.24	999.00	0.00	861.8	(1-Lane)		
1.200	8.82	999.00	8.82	999.00	0.00	341.8	(2-Lane)		
1.200	11.80	999.00	11.80	999.00	0.00	457.2	(1-Lane)		
1.300	6.41	999.00	6.41	999.00	0.00	248.5	(2-Lane)		
1.300	8.58	999.00	8.58	999.00	0.00	332.3	(1-Lane)		
1.400	5.57	999.00	5.57	999.00	0.00	215.8	(2-Lane)		
1.400	7.45	999.00	7.45	999.00	0.00	288.6	(1-Lane)		
1.500	5.35	999.00	5.35	999.00	0.00	207.2	(2-Lane)		
1.500	7.15	999.00	7.15	999.00	0.00	277.1	(1-Lane)		
1.600	5.57	999.00	5.57	999.00	0.00	215.8	(2-Lane)		
1.600	7.45	999.00	7.45	999.00	0.00	288.6	(1-Lane)		
1.700	6.41	999.00	6.41	999.00	0.00	248.5	(2-Lane)		
1.700	8.58	999.00	8.58	999.00	0.00	332.3	(1-Lane)		
1.800	8.82	999.00	8.82	999.00	0.00	341.8	(2-Lane)		
1.800	11.80	999.00	11.80	999.00	0.00	457.2	(1-Lane)		
1.900	16.54	999.00	16.54	999.00	0.00	641.0	(2-Lane)		
1.900	22.12	999.00	22.12	999.00	0.00	857.3	(1-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	5.6	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.2	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	2.8	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.4	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-12.5	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU7

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	85.7	30.6	116.2	-127.4	105.1 (2-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (1-Lane)
1.500	48.0	48.2	96.3	-96.3	96.3 (2-Lane)
1.500	48.5	48.2	96.8	-96.8	96.8 (1-Lane)
1.600	85.7	30.6	116.2	-105.1	127.4 (2-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 716

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-OPER
Rating Live Load: SU7

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.85	0.00	71.6 (2-Lane)
1.051	372.58	2.12	0.00	82.2 (1-Lane)
1.100	175.50	2.44	0.00	94.7 (2-Lane)
1.100	201.43	2.81	0.00	108.7 (1-Lane)
1.200	43.62	2.45	0.00	94.8 (2-Lane)
1.200	50.06	2.81	0.00	108.8 (1-Lane)
1.300	18.56	3.44	0.00	133.5 (2-Lane)
1.300	21.30	3.95	0.00	153.2 (1-Lane)
1.400	6.51	2.75	0.00	106.7 (2-Lane)
1.400	7.65	3.25	0.00	126.1 (1-Lane)
1.500	3.40	3.40	0.00	131.7 (2-Lane)
1.500	3.92	3.92	0.00	151.9 (1-Lane)
1.600	2.75	6.51	0.00	106.7 (2-Lane)
1.600	3.25	7.65	0.00	126.1 (1-Lane)

1.700	3.44	18.56	0.00	133.5 (2-Lane)
1.700	3.95	21.30	0.00	153.2 (1-Lane)
1.800	2.45	43.62	0.00	94.8 (2-Lane)
1.800	2.81	50.06	0.00	108.8 (1-Lane)
1.900	2.61	176.60	0.00	101.1 (2-Lane)
1.900	2.99	202.69	0.00	116.0 (1-Lane)
1.949	1.93	325.71	0.00	74.7 (2-Lane)
1.949	2.21	373.83	0.00	85.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	346.03 R	260.17	258.74 R	194.54
1.200	443.0	63.5	602.06 R	452.67	450.18 R	338.48
1.300	581.4	83.3	768.09 R	577.51	574.33 R	431.83
1.400	664.5	95.2	863.15 R	648.98	645.41 R	485.27
1.500	692.1	99.2	880.89 R	662.32	658.67 R	495.24
1.600	664.5	95.2	863.15 R	648.98	645.41 R	485.27
1.700	581.4	83.3	768.09 R	577.51	574.33 R	431.83
1.800	443.0	63.5	602.06 R	452.67	450.18 R	338.48
1.900	249.2	35.7	346.03 R	260.17	258.74 R	194.54
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3

Moment

Span	Rating top fiber +bend	Factor fiber -bend	Rating bottom fiber +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.89	999.00	16.89	999.00	0.00	422.1 (2-Lane)
1.100	22.58	999.00	22.58	999.00	0.00	564.6 (1-Lane)
1.200	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)

1.200	12.42	999.00	12.42	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 310.5 (1-Lane)
1.300	7.07	999.00	7.07	999.00	0.00 176.8 (2-Lane)
1.300	9.46	999.00	9.46	999.00	0.00 236.5 (1-Lane)
1.400	6.18	999.00	6.18	999.00	0.00 154.6 (2-Lane)
1.400	8.27	999.00	8.27	999.00	0.00 206.7 (1-Lane)
1.500	6.02	999.00	6.02	999.00	0.00 150.6 (2-Lane)
1.500	8.06	999.00	8.06	999.00	0.00 201.4 (1-Lane)
1.600	6.18	999.00	6.18	999.00	0.00 154.6 (2-Lane)
1.600	8.27	999.00	8.27	999.00	0.00 206.7 (1-Lane)
1.700	7.07	999.00	7.07	999.00	0.00 176.8 (2-Lane)
1.700	9.46	999.00	9.46	999.00	0.00 236.5 (1-Lane)
1.800	9.29	999.00	9.29	999.00	0.00 232.1 (2-Lane)
1.800	12.42	999.00	12.42	999.00	0.00 310.5 (1-Lane)
1.900	16.80	999.00	16.80	999.00	0.00 419.9 (2-Lane)
1.900	22.46	999.00	22.46	999.00	0.00 561.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.22	54.30	62.93	47.31
1.100	43.8	5.6	67.93	51.08	59.19	44.50
1.200	29.3	4.2	59.10	44.43	51.49	38.71
1.300	19.5	2.8	50.26	37.79	43.79	32.93
1.400	9.8	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-5.6	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-12.5	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.0	30.6	124.6	-135.8	113.5 (2-Lane)
1.400	96.8	30.6	127.4	-138.5	116.2 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	94.0	30.6	124.6	-113.5	135.8 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.89	0.00	47.3 (2-Lane)
1.051	189.03	2.17	0.00	54.3 (1-Lane)
1.100	68.73	2.48	0.00	62.0 (2-Lane)
1.100	78.88	2.85	0.00	71.2 (1-Lane)
1.200	21.26	2.43	0.00	60.7 (2-Lane)
1.200	24.40	2.79	0.00	69.7 (1-Lane)
1.300	13.29	3.32	0.00	83.0 (2-Lane)
1.300	15.26	3.81	0.00	95.2 (1-Lane)
1.400	5.71	2.74	0.00	68.5 (2-Lane)
1.400	6.69	3.22	0.00	80.5 (1-Lane)
1.500	3.20	3.20	0.00	80.0 (2-Lane)
1.500	3.68	3.68	0.00	92.0 (1-Lane)
1.600	2.74	5.71	0.00	68.5 (2-Lane)
1.600	3.22	6.69	0.00	80.5 (1-Lane)
1.700	3.32	13.29	0.00	83.0 (2-Lane)
1.700	3.81	15.26	0.00	95.2 (1-Lane)
1.800	2.43	21.26	0.00	60.7 (2-Lane)
1.800	2.79	24.40	0.00	69.7 (1-Lane)
1.900	2.65	69.15	0.00	66.2 (2-Lane)
1.900	3.04	79.37	0.00	76.0 (1-Lane)
1.949	1.97	165.25	0.00	49.3 (2-Lane)
1.949	2.27	189.66	0.00	56.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 724

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	35.7	153.79 R	115.63	114.99 R		86.46	
1.200	443.0	63.5	267.58 R	201.19	200.08 R		150.44	
1.300	581.4	83.3	341.37 R	256.67	255.26 R		191.92	
1.400	664.5	95.2	383.62 R	288.44	286.85 R		215.67	
1.500	692.1	99.2	391.51 R	294.36	292.74 R		220.11	
1.600	664.5	95.2	383.62 R	288.44	286.85 R		215.67	
1.700	581.4	83.3	341.37 R	256.67	255.26 R		191.92	
1.800	443.0	63.5	267.58 R	201.19	200.08 R		150.44	
1.900	249.2	35.7	153.79 R	115.63	114.99 R		86.46	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 724

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3

1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	Rating Factor		Rating		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	Value	Value	
1.000	999.00	999.00	999.00	999.00	0.00
1.000	999.00	999.00	999.00	999.00	0.00
1.051	999.00	999.00	999.00	999.00	0.00
1.051	999.00	999.00	999.00	999.00	0.00
1.100	72.32	999.00	22.02	999.00	0.00
1.100	96.71	999.00	29.45	999.00	0.00
1.200	37.89	999.00	11.52	999.00	0.00
1.200	50.67	999.00	15.41	999.00	0.00
1.300	27.77	999.00	8.46	999.00	0.00
1.300	37.14	999.00	11.31	999.00	0.00
1.400	23.69	999.00	7.22	999.00	0.00
1.400	31.68	999.00	9.65	999.00	0.00
1.500	22.87	999.00	6.97	999.00	0.00
1.500	30.59	999.00	9.33	999.00	0.00
1.600	23.69	999.00	7.22	999.00	0.00
1.600	31.68	999.00	9.65	999.00	0.00
1.700	27.77	999.00	8.46	999.00	0.00
1.700	37.14	999.00	11.31	999.00	0.00
1.800	37.89	999.00	11.52	999.00	0.00
1.800	50.67	999.00	15.41	999.00	0.00
1.900	71.91	999.00	21.83	999.00	0.00
1.900	96.17	999.00	29.19	999.00	0.00
1.949	999.00	999.00	999.00	999.00	0.00
1.949	999.00	999.00	999.00	999.00	0.00
2.000	999.00	999.00	999.00	999.00	0.00
2.000	999.00	999.00	999.00	999.00	0.00

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGI
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	408.35 R	307.03	305.33 R	229.57
1.200	443.0	63.5	672.70 R	505.79	503.00 R	378.19
1.300	581.4	83.3	880.54 R	662.06	658.41 R	495.04
1.400	664.5	95.2	974.81 R	732.94	728.90 R	548.05
1.500	692.1	99.2	956.79 R	719.39	715.43 R	537.91
1.600	664.5	95.2	974.81 R	732.94	728.90 R	548.05
1.700	581.4	83.3	880.54 R	662.06	658.41 R	495.04
1.800	443.0	63.5	672.70 R	505.79	503.00 R	378.19
1.900	249.2	35.7	408.35 R	307.03	305.33 R	229.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.31	999.00	14.31	999.00	0.00	572.3 (2-Lane)
1.100	19.14	999.00	19.14	999.00	0.00	765.4 (1-Lane)
1.200	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.200	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.300	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.300	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	219.0 (2-Lane)
1.400	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.500	5.55	999.00	5.55	999.00	0.00	221.8 (2-Lane)
1.500	7.42	999.00	7.42	999.00	0.00	296.6 (1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	219.0 (2-Lane)
1.600	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.700	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.700	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.800	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.800	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.900	14.23	999.00	14.23	999.00	0.00	569.3 (2-Lane)
1.900	19.03	999.00	19.03	999.00	0.00	761.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.80		1.80	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	69.38	52.16	60.45	45.45	45.45	45.45
1.100	43.8	5.6	80.16	60.27	69.85	52.52	52.52	52.52
1.200	29.3	4.2	66.03	49.65	57.53	43.26	43.26	43.26
1.300	19.5	2.8	52.36	39.37	45.62	34.30	34.30	34.30
1.400	9.8	1.4	40.67	30.58	35.43	26.64	26.64	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12	19.12	19.12
1.600	-9.8	-1.4	-40.67	-30.58	-35.43	-26.64	-26.64	-26.64
1.700	-19.5	-2.8	-52.36	-39.37	-45.62	-34.30	-34.30	-34.30
1.800	-29.3	-4.2	-66.03	-49.65	-57.53	-43.26	-43.26	-43.26
1.900	-39.0	-5.6	-80.16	-60.27	-69.85	-52.52	-52.52	-52.52
1.949	-43.7	-12.5	-87.03	-65.44	-75.83	-57.02	-57.02	-57.02

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 730

 STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.3	30.6	118.9	-130.0	107.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (1-Lane)
1.600	88.3	30.6	118.9	-107.7	130.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 731

 STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.97	0.00	78.8 (2-Lane)
1.051	189.03	2.26	0.00	90.5 (1-Lane)
1.100	68.73	2.10	0.00	84.1 (2-Lane)
1.100	78.88	2.41	0.00	96.6 (1-Lane)
1.200	21.26	2.17	0.00	87.0 (2-Lane)
1.200	24.40	2.50	0.00	99.8 (1-Lane)
1.300	13.29	3.19	0.00	127.4 (2-Lane)
1.300	15.26	3.66	0.00	146.2 (1-Lane)
1.400	5.93	2.65	0.00	106.0 (2-Lane)
1.400	6.98	3.13	0.00	125.3 (1-Lane)
1.500	3.36	3.36	0.00	134.5 (2-Lane)
1.500	3.87	3.87	0.00	155.0 (1-Lane)
1.600	2.65	5.93	0.00	106.0 (2-Lane)
1.600	3.13	6.98	0.00	125.3 (1-Lane)
1.700	3.19	13.29	0.00	127.4 (2-Lane)
1.700	3.66	15.26	0.00	146.2 (1-Lane)
1.800	2.17	21.26	0.00	87.0 (2-Lane)
1.800	2.50	24.40	0.00	99.8 (1-Lane)
1.900	2.24	69.15	0.00	89.8 (2-Lane)
1.900	2.58	79.37	0.00	103.0 (1-Lane)
1.949	1.64	165.25	0.00	65.5 (2-Lane)
1.949	1.88	189.66	0.00	75.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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 SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	35.7	181.49 R	136.46	135.70 R		102.03	
1.200	443.0	63.5	298.98 R	224.79	223.56 R		168.09	
1.300	581.4	83.3	391.35 R	294.25	292.63 R		220.02	
1.400	664.5	95.2	433.25 R	325.75	323.96 R		243.58	
1.500	692.1	99.2	425.24 R	319.73	317.97 R		239.07	
1.600	664.5	95.2	433.25 R	325.75	323.96 R		243.58	
1.700	581.4	83.3	391.35 R	294.25	292.63 R		220.02	
1.800	443.0	63.5	298.98 R	224.79	223.55 R		168.09	
1.900	249.2	35.7	181.49 R	136.46	135.70 R		102.03	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	top +bend	Rating Factor		bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
		top fiber -bend	bottom fiber -bend				
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	999.00	0.00	551.5 (1-Lane)
1.300	24.23	999.00	7.38	999.00	999.00	0.00	295.0 (2-Lane)
1.300	32.40	999.00	9.86	999.00	999.00	0.00	394.6 (1-Lane)
1.400	20.97	999.00	6.39	999.00	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	999.00	0.00	341.9 (1-Lane)
1.500	21.06	999.00	6.42	999.00	999.00	0.00	256.8 (2-Lane)
1.500	28.16	999.00	8.59	999.00	999.00	0.00	343.4 (1-Lane)
1.600	20.97	999.00	6.39	999.00	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	999.00	0.00	341.9 (1-Lane)
1.700	24.23	999.00	7.38	999.00	999.00	0.00	295.0 (2-Lane)
1.700	32.40	999.00	9.86	999.00	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	999.00	0.00	551.5 (1-Lane)
1.900	60.94	999.00	18.49	999.00	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.73	999.00	999.00	0.00	989.3 (1-Lane)

1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	350.45 R	263.50	262.05 R	197.03
1.200	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.300	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.400	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.500	692.1	99.2	807.25 R	606.96	603.61 R	453.84
1.600	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.700	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.800	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.900	249.2	35.7	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 735

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: 3-3

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.67	999.00	16.67	999.00	0.00	666.9 (2-Lane)
1.100	22.30	999.00	22.30	999.00	0.00	891.9 (1-Lane)
1.200	9.66	999.00	9.66	999.00	0.00	386.5 (2-Lane)
1.200	12.92	999.00	12.92	999.00	0.00	516.9 (1-Lane)
1.300	7.49	999.00	7.49	999.00	0.00	299.8 (2-Lane)
1.300	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.400	7.01	999.00	7.01	999.00	0.00	280.4 (2-Lane)
1.400	9.38	999.00	9.38	999.00	0.00	375.0 (1-Lane)

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1.500	6.57	999.00	6.57	999.00	0.00 262.9 (2-Lane)
1.500	8.79	999.00	8.79	999.00	0.00 351.6 (1-Lane)
1.600	7.01	999.00	7.01	999.00	0.00 280.4 (2-Lane)
1.600	9.38	999.00	9.38	999.00	0.00 375.0 (1-Lane)
1.700	7.49	999.00	7.49	999.00	0.00 299.8 (2-Lane)
1.700	10.02	999.00	10.02	999.00	0.00 401.0 (1-Lane)
1.800	9.66	999.00	9.66	999.00	0.00 386.5 (2-Lane)
1.800	12.92	999.00	12.92	999.00	0.00 516.9 (1-Lane)
1.900	16.58	999.00	16.58	999.00	0.00 663.4 (2-Lane)
1.900	22.18	999.00	22.18	999.00	0.00 887.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 737

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL	LL
				1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.64	56.12	65.03	48.90
1.100	43.8	5.6	68.80	51.73	59.94	45.07
1.200	29.3	4.2	56.79	42.70	49.48	37.20
1.300	19.5	2.8	44.77	33.66	39.01	29.33
1.400	9.8	1.4	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.4	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-2.8	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.2	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-5.6	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-12.5	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.3	30.6	119.9	-131.0	108.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	50.5	48.2	98.8	-98.8	98.8 (2-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (1-Lane)
1.600	89.3	30.6	119.9	-108.7	131.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	199.99	1.83	0.00	73.3 (2-Lane)
1.051	229.54	2.10	0.00	84.1 (1-Lane)
1.100	83.45	2.45	0.00	98.0 (2-Lane)
1.100	95.78	2.81	0.00	112.5 (1-Lane)
1.200	25.82	2.53	0.00	101.1 (2-Lane)
1.200	29.63	2.90	0.00	116.1 (1-Lane)
1.300	16.14	3.73	0.00	149.0 (2-Lane)
1.300	18.52	4.28	0.00	171.0 (1-Lane)
1.400	6.76	3.11	0.00	124.5 (2-Lane)
1.400	7.89	3.64	0.00	145.8 (1-Lane)
1.500	3.63	3.63	0.00	145.4 (2-Lane)
1.500	4.17	4.17	0.00	166.8 (1-Lane)
1.600	3.11	6.76	0.00	124.5 (2-Lane)
1.600	3.64	7.89	0.00	145.8 (1-Lane)
1.700	3.73	16.14	0.00	149.0 (2-Lane)
1.700	4.28	18.52	0.00	171.0 (1-Lane)
1.800	2.53	25.82	0.00	101.1 (2-Lane)
1.800	2.90	29.63	0.00	116.1 (1-Lane)
1.900	2.62	83.97	0.00	104.6 (2-Lane)
1.900	3.00	96.38	0.00	120.1 (1-Lane)
1.949	1.91	200.66	0.00	76.4 (2-Lane)
1.949	2.19	230.31	0.00	87.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 740

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	155.76 R	117.11	116.46 R	87.57
1.200	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.300	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.400	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.500	692.1	99.2	358.78 R	269.76	268.27 R	201.71
1.600	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.700	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.800	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.900	249.2	35.7	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: III-LGL S
 Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)
1.300	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.300	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)
1.400	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.0 (1-Lane)
1.600	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)
1.700	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.700	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)
1.900	71.00	999.00	21.55	999.00	0.00	862.0 (2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: I-LEGL
 Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	35.7	339.76 R		255.46	254.05 R		191.01		
1.200	443.0	63.5	593.12 R		445.96	443.50 R		333.46		
1.300	581.4	83.3	760.09 R		571.49	568.34 R		427.33		
1.400	664.5	95.2	866.58 R		651.56	647.97 R		487.20		
1.500	692.1	99.2	891.18 R		670.06	666.37 R		501.03		
1.600	664.5	95.2	866.58 R		651.56	647.97 R		487.20		
1.700	581.4	83.3	760.09 R		571.49	568.34 R		427.33		
1.800	443.0	63.5	593.12 R		445.96	443.50 R		333.46		
1.900	249.2	35.7	339.76 R		255.46	254.05 R		191.01		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: I-LEGL
 Rating Live Load: SU4

Span	Moment Positive Top	Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
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1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.20	999.00		17.20	999.00	0.00	464.3 (2-Lane)
1.100	23.00	999.00		23.00	999.00	0.00	621.0 (1-Lane)
1.200	9.43	999.00		9.43	999.00	0.00	254.5 (2-Lane)
1.200	12.60	999.00		12.60	999.00	0.00	340.3 (1-Lane)
1.300	7.15	999.00		7.15	999.00	0.00	193.0 (2-Lane)
1.300	9.56	999.00		9.56	999.00	0.00	258.1 (1-Lane)
1.400	6.16	999.00		6.16	999.00	0.00	166.3 (2-Lane)
1.400	8.24	999.00		8.24	999.00	0.00	222.4 (1-Lane)
1.500	5.95	999.00		5.95	999.00	0.00	160.7 (2-Lane)
1.500	7.96	999.00		7.96	999.00	0.00	215.0 (1-Lane)
1.600	6.16	999.00		6.16	999.00	0.00	166.3 (2-Lane)
1.600	8.24	999.00		8.24	999.00	0.00	222.4 (1-Lane)
1.700	7.15	999.00		7.15	999.00	0.00	193.0 (2-Lane)
1.700	9.56	999.00		9.56	999.00	0.00	258.1 (1-Lane)
1.800	9.43	999.00		9.43	999.00	0.00	254.5 (2-Lane)
1.800	12.60	999.00		12.60	999.00	0.00	340.3 (1-Lane)
1.900	17.11	999.00		17.11	999.00	0.00	461.9 (2-Lane)
1.900	22.88	999.00		22.88	999.00	0.00	617.7 (1-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.82	53.25	61.71	46.40
1.100	43.8	5.6	66.70	50.15	58.11	43.69
1.200	29.3	4.2	58.22	43.77	50.73	38.14
1.300	19.5	2.8	49.74	37.40	43.34	32.58
1.400	9.8	1.4	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.4	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-2.8	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.2	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-5.6	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-12.5	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.6	30.6	124.2	-135.4	113.1 (2-Lane)
1.400	96.4	30.6	127.0	-138.2	115.9 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.6	30.6	124.2	-113.1	135.4 (2-Lane)
1.600	96.4	30.6	127.0	-115.9	138.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 747

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.93	0.00	52.1 (2-Lane)
1.051	212.66	2.22	0.00	59.8 (1-Lane)
1.100	77.32	2.53	0.00	68.2 (2-Lane)
1.100	88.74	2.90	0.00	78.3 (1-Lane)
1.200	22.06	2.47	0.00	66.6 (2-Lane)
1.200	25.32	2.83	0.00	76.4 (1-Lane)
1.300	13.10	3.35	0.00	90.5 (2-Lane)
1.300	15.04	3.85	0.00	103.9 (1-Lane)
1.400	5.57	2.74	0.00	74.0 (2-Lane)
1.400	6.53	3.22	0.00	87.0 (1-Lane)
1.500	3.18	3.18	0.00	85.9 (2-Lane)
1.500	3.66	3.66	0.00	98.9 (1-Lane)
1.600	2.74	5.57	0.00	74.0 (2-Lane)
1.600	3.22	6.53	0.00	87.0 (1-Lane)
1.700	3.35	13.10	0.00	90.5 (2-Lane)
1.700	3.85	15.04	0.00	103.9 (1-Lane)
1.800	2.47	22.06	0.00	66.6 (2-Lane)
1.800	2.83	25.32	0.00	76.4 (1-Lane)
1.900	2.70	77.80	0.00	72.8 (2-Lane)
1.900	3.10	89.29	0.00	83.6 (1-Lane)
1.949	2.01	185.91	0.00	54.3 (2-Lane)
1.949	2.31	213.37	0.00	62.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG

Rating Live Load: SU4

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	169.88 R	127.73	127.02 R	95.51		
1.200	443.0	63.5	296.56 R	222.98	221.75 R	166.73		
1.300	581.4	83.3	380.04 R	285.75	284.17 R	213.66		
1.400	664.5	95.2	433.29 R	325.78	323.99 R	243.60		
1.500	692.1	99.2	445.59 R	335.03	333.18 R	250.51		
1.600	664.5	95.2	433.29 R	325.78	323.99 R	243.60		
1.700	581.4	83.3	380.04 R	285.75	284.17 R	213.66		
1.800	443.0	63.5	296.56 R	222.98	221.75 R	166.73		
1.900	249.2	35.7	169.88 R	127.73	127.02 R	95.51		
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00		

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 748

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL S

Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00	533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00	713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	377.07 R	283.51	281.95 R	211.99
1.200	443.0	63.5	654.95 R	492.44	489.73 R	368.21
1.300	581.4	83.3	842.64 R	633.56	630.07 R	473.74
1.400	664.5	95.2	957.06 R	719.59	715.63 R	538.07
1.500	692.1	99.2	972.29 R	731.04	727.01 R	546.62
1.600	664.5	95.2	957.06 R	719.59	715.63 R	538.07
1.700	581.4	83.3	842.64 R	633.56	630.07 R	473.74
1.800	443.0	63.5	654.95 R	492.44	489.73 R	368.21
1.900	249.2	35.7	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.49	999.00	15.49	999.00	0.00	480.4 (2-Lane)
1.100	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.200	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.300	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.300	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.400	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.400	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.500	5.46	999.00	5.46	999.00	0.00	169.2 (2-Lane)
1.500	7.30	999.00	7.30	999.00	0.00	226.2 (1-Lane)
1.600	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.600	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.700	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.700	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)

1.800	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.800	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.900	15.41	999.00	15.41	999.00	0.00	477.8 (2-Lane)
1.900	20.61	999.00	20.61	999.00	0.00	639.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	78.76	59.22	68.62	51.59
1.100	43.8	5.6	74.03	55.66	64.50	48.49
1.200	29.3	4.2	64.29	48.34	56.01	42.11
1.300	19.5	2.8	54.55	41.02	47.53	35.74
1.400	9.8	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-5.6	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-12.5	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.5	30.6	125.1	-136.2	113.9 (2-Lane)
1.400	97.7	30.6	128.3	-139.4	117.1 (1-Lane)
1.500	57.0	48.2	105.2	-105.2	105.2 (2-Lane)
1.500	57.5	48.2	105.8	-105.8	105.8 (1-Lane)
1.600	94.5	30.6	125.1	-113.9	136.2 (2-Lane)
1.600	97.7	30.6	128.3	-117.1	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	185.28	1.74	0.00	53.8 (2-Lane)
1.051	212.66	1.99	0.00	61.8 (1-Lane)
1.100	77.32	2.28	0.00	70.6 (2-Lane)
1.100	88.74	2.61	0.00	81.0 (1-Lane)
1.200	22.06	2.23	0.00	69.2 (2-Lane)
1.200	25.32	2.56	0.00	79.5 (1-Lane)
1.300	12.25	3.06	0.00	94.8 (2-Lane)
1.300	14.06	3.51	0.00	108.8 (1-Lane)
1.400	5.38	2.54	0.00	78.8 (2-Lane)
1.400	6.32	3.00	0.00	93.0 (1-Lane)
1.500	3.00	3.00	0.00	93.0 (2-Lane)
1.500	3.46	3.46	0.00	107.3 (1-Lane)
1.600	2.54	5.38	0.00	78.8 (2-Lane)
1.600	3.00	6.32	0.00	93.0 (1-Lane)
1.700	3.06	12.25	0.00	94.8 (2-Lane)
1.700	3.51	14.06	0.00	108.8 (1-Lane)
1.800	2.23	22.06	0.00	69.2 (2-Lane)
1.800	2.56	25.32	0.00	79.5 (1-Lane)
1.900	2.43	77.80	0.00	75.3 (2-Lane)
1.900	2.79	89.29	0.00	86.5 (1-Lane)
1.949	1.81	185.91	0.00	56.1 (2-Lane)
1.949	2.08	213.37	0.00	64.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	35.7	188.54 R		141.76	140.97 R		106.00
1.200	443.0	63.5	327.47 R		246.22	244.86 R		184.11
1.300	581.4	83.3	421.32 R		316.78	315.04 R		236.87
1.400	664.5	95.2	478.53 R		359.80	357.81 R		269.03
1.500	692.1	99.2	486.14 R		365.52	363.51 R		273.31
1.600	664.5	95.2	478.53 R		359.80	357.81 R		269.03
1.700	581.4	83.3	421.32 R		316.78	315.04 R		236.87
1.800	443.0	63.5	327.47 R		246.22	244.86 R		184.11
1.900	249.2	35.7	188.54 R		141.76	140.97 R		106.00
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 756

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04
 Rating Type: III-LGL S
 Rating Live Load: SU5

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00	232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.800	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
 Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	1.25	DW	1.25	LL	1.60	LL	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	35.7	397.96 R		299.22	297.57 R		223.74		
1.200	443.0	63.5	717.98 R		539.83	536.86 R		403.65		
1.300	581.4	83.3	932.71 R		701.29	697.42 R		524.38		
1.400	664.5	95.2	1052.03 R		791.00	786.64 R		591.46		
1.500	692.1	99.2	1083.54 R		814.69	810.20 R		609.17		
1.600	664.5	95.2	1052.03 R		791.00	786.64 R		591.46		
1.700	581.4	83.3	932.71 R		701.29	697.42 R		524.38		
1.800	443.0	63.5	717.98 R		539.83	536.86 R		403.65		
1.900	249.2	35.7	397.96 R		299.22	297.57 R		223.74		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
 Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7

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1.700 6096.9 6096.9 0.0 0.0 5432.1 5432.1 -664.7 -664.7
1.800 6096.9 6096.9 0.0 0.0 5590.4 5590.4 -506.5 -506.5
1.900 6096.9 6096.9 0.0 0.0 5812.0 5812.0 -284.9 -284.9
1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.68	999.00	14.68	999.00	0.00	510.2 (2-Lane)
1.100	19.64	999.00	19.64	999.00	0.00	682.3 (1-Lane)
1.200	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.200	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.300	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.400	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.400	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.500	4.90	999.00	4.90	999.00	0.00	170.2 (2-Lane)
1.500	6.55	999.00	6.55	999.00	0.00	227.6 (1-Lane)
1.600	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.600	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.700	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.800	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.800	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.5 (2-Lane)
1.900	19.53	999.00	19.53	999.00	0.00	678.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	83.43	62.73	72.69	54.66
1.100	43.8	5.6	78.13	58.74	68.07	51.18
1.200	29.3	4.2	67.21	50.54	58.56	44.03
1.300	19.5	2.8	56.30	42.33	49.05	36.88
1.400	9.8	1.4	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.4	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-2.8	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.2	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-5.6	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-12.5	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.3	30.6	121.9	-133.1	110.8 (2-Lane)
1.400	94.9	30.6	125.5	-136.6	114.3 (1-Lane)
1.500	53.6	48.2	101.9	-101.9	101.9 (2-Lane)
1.500	54.5	48.2	102.7	-102.7	102.7 (1-Lane)
1.600	91.3	30.6	121.9	-110.8	133.1 (2-Lane)
1.600	94.9	30.6	125.5	-114.3	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.64	0.00	56.9 (2-Lane)
1.051	314.36	1.88	0.00	65.4 (1-Lane)
1.100	130.74	2.16	0.00	75.0 (2-Lane)
1.100	150.06	2.48	0.00	86.1 (1-Lane)
1.200	27.88	2.14	0.00	74.2 (2-Lane)
1.200	32.00	2.45	0.00	85.2 (1-Lane)
1.300	13.65	2.96	0.00	103.0 (2-Lane)
1.300	15.66	3.40	0.00	118.2 (1-Lane)
1.400	5.41	2.44	0.00	84.8 (2-Lane)
1.400	6.38	2.89	0.00	100.5 (1-Lane)
1.500	2.96	2.96	0.00	102.7 (2-Lane)
1.500	3.42	3.42	0.00	118.8 (1-Lane)
1.600	2.44	5.41	0.00	84.8 (2-Lane)
1.600	2.89	6.38	0.00	100.5 (1-Lane)
1.700	2.96	13.65	0.00	103.0 (2-Lane)
1.700	3.40	15.66	0.00	118.2 (1-Lane)
1.800	2.14	27.88	0.00	74.2 (2-Lane)
1.800	2.45	32.00	0.00	85.2 (1-Lane)
1.900	2.30	131.56	0.00	80.0 (2-Lane)
1.900	2.64	150.99	0.00	91.8 (1-Lane)
1.949	1.71	274.82	0.00	59.4 (2-Lane)
1.949	1.96	315.42	0.00	68.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	198.98 R	149.61	148.79 R	111.87
1.200	443.0	63.5	358.99 R	269.92	268.43 R	201.83

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1.300	581.4	83.3	466.36 R	350.64	348.71 R	262.19			
1.400	664.5	95.2	526.02 R	395.50	393.32 R	295.73			
1.500	692.1	99.2	541.77 R	407.35	405.10 R	304.59			
1.600	664.5	95.2	526.02 R	395.50	393.32 R	295.73			
1.700	581.4	83.3	466.36 R	350.64	348.71 R	262.19			
1.800	443.0	63.5	358.99 R	269.92	268.43 R	201.83			
1.900	249.2	35.7	198.98 R	149.61	148.79 R	111.87			
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00			
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00			

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 764

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU6

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL S

Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G04				
Rating Type:		I-LEGL				
Rating Live Load:		SU7				
Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL		LL	
			1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	416.40 R	313.08	311.35 R	234.10
1.200	443.0	63.5	751.06 R	564.71	561.60 R	422.25
1.300	581.4	83.3	1004.00 R	754.88	750.72 R	564.45
1.400	664.5	95.2	1135.75 R	853.95	849.24 R	638.53
1.500	692.1	99.2	1175.91 R	884.14	879.27 R	661.11
1.600	664.5	95.2	1135.75 R	853.95	849.24 R	638.53
1.700	581.4	83.3	1004.00 R	754.88	750.72 R	564.45
1.800	443.0	63.5	751.06 R	564.71	561.60 R	422.25
1.900	249.2	35.7	416.40 R	313.08	311.35 R	234.10
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G04							
Rating Type:	I-LEGL							
Rating Live Load:	SU7							
Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G04				
Rating Type:		I-LEGL				
Rating Live Load:		SU7				
Moment						
Span		Rating	Factor		Rating	Load
	top	fiber		bottom		Resistance
	+bend	-bend		+bend	-bend	(tons)
1.000	999.00	999.00		999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00		999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00		999.00	999.00	0.00 999.0 (1-Lane)
1.100	14.03	999.00		14.03	999.00	0.00 543.7 (2-Lane)
1.100	18.77	999.00		18.77	999.00	0.00 727.2 (1-Lane)
1.200	7.44	999.00		7.44	999.00	0.00 288.4 (2-Lane)
1.200	9.95	999.00		9.95	999.00	0.00 385.7 (1-Lane)
1.300	5.41	999.00		5.41	999.00	0.00 209.7 (2-Lane)
1.300	7.24	999.00		7.24	999.00	0.00 280.4 (1-Lane)
1.400	4.70	999.00		4.70	999.00	0.00 182.1 (2-Lane)
1.400	6.28	999.00		6.28	999.00	0.00 243.5 (1-Lane)
1.500	4.51	999.00		4.51	999.00	0.00 174.8 (2-Lane)
1.500	6.03	999.00		6.03	999.00	0.00 233.8 (1-Lane)
1.600	4.70	999.00		4.70	999.00	0.00 182.1 (2-Lane)
1.600	6.28	999.00		6.28	999.00	0.00 243.5 (1-Lane)
1.700	5.41	999.00		5.41	999.00	0.00 209.7 (2-Lane)
1.700	7.24	999.00		7.24	999.00	0.00 280.4 (1-Lane)
1.800	7.44	999.00		7.44	999.00	0.00 288.4 (2-Lane)
1.800	9.95	999.00		9.95	999.00	0.00 385.7 (1-Lane)
1.900	13.96	999.00		13.96	999.00	0.00 540.9 (2-Lane)
1.900	18.67	999.00		18.67	999.00	0.00 723.3 (1-Lane)
1.949	999.00	999.00		999.00	999.00	0.00 999.0 (2-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.60 LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	87.66	65.91	76.38	57.43
1.100	43.8	5.6	81.75	61.46	71.22	53.55
1.200	29.3	4.2	69.57	52.31	60.62	45.58
1.300	19.5	2.8	57.40	43.16	50.01	37.60
1.400	9.8	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-5.6	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-12.5	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU7

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.0	30.6	118.6	-129.7	107.5 (2-Lane)
1.400	91.8	30.6	122.4	-133.6	111.3 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	51.7	48.2	99.9	-99.9	99.9 (1-Lane)
1.600	88.0	30.6	118.6	-107.5	129.8 (2-Lane)
1.600	91.8	30.6	122.4	-111.3	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.56	0.00	60.4 (2-Lane)
1.051	314.36	1.79	0.00	69.4 (1-Lane)
1.100	148.08	2.06	0.00	79.9 (2-Lane)
1.100	169.96	2.37	0.00	91.7 (1-Lane)
1.200	36.80	2.06	0.00	80.0 (2-Lane)

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1.200	42.24	2.37	0.00	91.8 (1-Lane)
1.300	15.66	2.91	0.00	112.6 (2-Lane)
1.300	17.98	3.34	0.00	129.2 (1-Lane)
1.400	5.59	2.38	0.00	92.1 (2-Lane)
1.400	6.61	2.82	0.00	109.4 (1-Lane)
1.500	2.95	2.95	0.00	114.2 (2-Lane)
1.500	3.42	3.42	0.00	132.4 (1-Lane)
1.600	2.38	5.59	0.00	92.1 (2-Lane)
1.600	2.82	6.61	0.00	109.4 (1-Lane)
1.700	2.91	15.66	0.00	112.6 (2-Lane)
1.700	3.34	17.98	0.00	129.2 (1-Lane)
1.800	2.06	36.80	0.00	80.0 (2-Lane)
1.800	2.37	42.24	0.00	91.8 (1-Lane)
1.900	2.20	149.00	0.00	85.3 (2-Lane)
1.900	2.53	171.02	0.00	97.9 (1-Lane)
1.949	1.63	274.82	0.00	63.0 (2-Lane)
1.949	1.87	315.42	0.00	72.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LG

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	208.20 R	156.54	155.68 R	117.05
1.200	443.0	63.5	375.53 R	282.35	280.80 R	211.13
1.300	581.4	83.3	502.00 R	377.44	375.36 R	282.23
1.400	664.5	95.2	567.88 R	426.97	424.62 R	319.26
1.500	692.1	99.2	587.96 R	442.07	439.63 R	330.55
1.600	664.5	95.2	567.88 R	426.97	424.62 R	319.26
1.700	581.4	83.3	502.00 R	377.44	375.36 R	282.23
1.800	443.0	63.5	375.53 R	282.35	280.80 R	211.13
1.900	249.2	35.7	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G04

Rating Type: III-LGL S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
System Factor: 1.000
ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G05 01-IG005
Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:
Span Range Section Section Section Hinge Location
No. No. Length Left Right Variation No. 1 No. 2

1 1 56.786 1 0 0.0 0.0

Range Length -- Composite:
Span Range Range Composite
No. No. Length Code

1 1 56.786 C

Superimposed Dead Load:		Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
Span No.	Load Type		Left	Right	Length	
1	W	0.000	195.9	195.9	56.786	0.0
1	Z	0.000	169.9	169.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Span	Sect. Height	Top Flg.	Top Flg. Width	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8	814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7	780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8	771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Span	Neutral Axis Top	Neutral Axis Bott.	Moment +Bend (n=n)	Moment +Bend (n=3n)	Section +Bend (n=n) Top	Modulus Bott.	Section +Bend (n=3n) Top	Modulus Bott.
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 775

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Span	Comp. Slab	Comp. Slab	Dist. to Beam Top	Non-Prestressed Reinforcement
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	Width	Thk.	Area	Dy
1.000	80.00	7.50	6.00	0.00
1.051	80.00	7.50	6.00	0.00
1.100	80.00	7.50	6.00	0.00
1.200	80.00	7.50	6.00	0.00
1.300	80.00	7.50	6.00	0.00
1.400	80.00	7.50	6.00	0.00
1.500	80.00	7.50	6.00	0.00
1.600	80.00	7.50	6.00	0.00
1.700	80.00	7.50	6.00	0.00
1.800	80.00	7.50	6.00	0.00
1.900	80.00	7.50	6.00	0.00
1.949	80.00	7.50	6.00	0.00
2.000	80.00	7.50	6.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 776

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	63.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	82.9	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	94.8	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	98.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	94.8	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	82.9	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	63.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	35.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 777

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00 (2-Lane)
1.100	13.69	999.00	13.69	999.00 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.200	5.64	999.00	5.64	999.00	0.00 202.9 (2-Lane)
1.200	7.54	999.00	7.54	999.00	0.00 271.3 (1-Lane)
1.300	4.30	999.00	4.30	999.00	0.00 154.8 (2-Lane)
1.300	5.75	999.00	5.75	999.00	0.00 207.0 (1-Lane)
1.400	3.76	999.00	3.76	999.00	0.00 135.4 (2-Lane)
1.400	5.03	999.00	5.03	999.00	0.00 181.1 (1-Lane)
1.500	3.68	999.00	3.68	999.00	0.00 132.4 (2-Lane)
1.500	4.92	999.00	4.92	999.00	0.00 177.1 (1-Lane)
1.600	3.76	999.00	3.76	999.00	0.00 135.4 (2-Lane)
1.600	5.03	999.00	5.03	999.00	0.00 181.1 (1-Lane)
1.700	4.30	999.00	4.30	999.00	0.00 154.8 (2-Lane)
1.700	5.75	999.00	5.75	999.00	0.00 207.0 (1-Lane)
1.800	5.64	999.00	5.64	999.00	0.00 202.9 (2-Lane)
1.800	7.54	999.00	7.54	999.00	0.00 271.3 (1-Lane)
1.900	10.18	999.00	10.18	999.00	0.00 366.4 (2-Lane)
1.900	13.61	999.00	13.61	999.00	0.00 490.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV

Rating Live Load: HL93

Gamma		DC	DW	(2-Lane) LL	(1-Lane) LL
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	118.11	0.00	94.04	0.00	102.90	0.00	81.94
1.100	43.8	5.6	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	29.3	4.2	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	19.5	2.8	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	9.8	1.4	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-9.8	-1.4	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-19.5	-2.8	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-29.3	-4.2	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-39.0	-5.6	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.949	-43.7	-12.5	-118.11	0.00	-94.04	0.00	-102.90	0.00	-81.94
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV

Rating Live Load: HL93

Vc	Shear Resistance			Available Resistance for LL+I	
	Vs	Vn		(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	97.0	30.6	127.6	-138.8	116.5 (2-Lane)
1.400	102.1	30.6	132.7	-143.8	121.5 (1-Lane)
1.500	60.0	48.2	108.2	-108.2	108.2 (2-Lane)
1.500	61.9	48.2	110.1	-110.1	110.1 (1-Lane)
1.600	97.0	30.6	127.6	-116.5	138.8 (2-Lane)
1.600	102.1	30.6	132.7	-121.5	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 781

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.97	1.16	0.00	41.7 (2-Lane)
1.051	103.26	1.33	0.00	47.9 (1-Lane)
1.100	48.06	1.53	0.00	55.2 (2-Lane)
1.100	55.17	1.76	0.00	63.3 (1-Lane)
1.200	13.94	1.53	0.00	55.2 (2-Lane)
1.200	16.01	1.76	0.00	63.4 (1-Lane)
1.300	8.51	2.15	0.00	77.2 (2-Lane)
1.300	9.76	2.46	0.00	88.7 (1-Lane)
1.400	3.95	1.87	0.00	67.3 (2-Lane)
1.400	4.70	2.24	0.00	80.6 (1-Lane)
1.500	2.28	2.28	0.00	82.2 (2-Lane)
1.500	2.67	2.67	0.00	96.0 (1-Lane)
1.600	1.87	3.95	0.00	67.3 (2-Lane)
1.600	2.24	4.70	0.00	80.6 (1-Lane)
1.700	2.15	8.51	0.00	77.2 (2-Lane)
1.700	2.46	9.76	0.00	88.7 (1-Lane)
1.800	1.53	13.94	0.00	55.2 (2-Lane)
1.800	1.76	16.01	0.00	63.4 (1-Lane)
1.900	1.64	46.41	0.00	58.9 (2-Lane)
1.900	1.88	53.26	0.00	67.6 (1-Lane)
1.949	1.21	88.34	0.00	43.5 (2-Lane)
1.949	1.39	101.39	0.00	49.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 782

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	50.5	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	66.3	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	75.8	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	79.0	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	75.8	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	66.3	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	50.5	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	28.4	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 782

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3

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1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

III-INV S

Rating Live Load:

HL93

Service								
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	42.61	999.00	12.97	999.00	0.00	467.1	(2-Lane)	
1.100	56.98	999.00	17.35	999.00	0.00	624.6	(1-Lane)	
1.200	22.35	999.00	6.80	999.00	0.00	244.7	(2-Lane)	
1.200	29.90	999.00	9.09	999.00	0.00	327.2	(1-Lane)	
1.300	16.42	999.00	5.00	999.00	0.00	180.0	(2-Lane)	
1.300	21.96	999.00	6.68	999.00	0.00	240.7	(1-Lane)	
1.400	14.01	999.00	4.27	999.00	0.00	153.7	(2-Lane)	
1.400	18.73	999.00	5.71	999.00	0.00	205.5	(1-Lane)	
1.500	13.58	999.00	4.14	999.00	0.00	149.1	(2-Lane)	
1.500	18.17	999.00	5.54	999.00	0.00	199.4	(1-Lane)	
1.600	14.01	999.00	4.27	999.00	0.00	153.7	(2-Lane)	
1.600	18.73	999.00	5.71	999.00	0.00	205.5	(1-Lane)	
1.700	16.42	999.00	5.00	999.00	0.00	180.0	(2-Lane)	
1.700	21.96	999.00	6.68	999.00	0.00	240.7	(1-Lane)	
1.800	22.35	999.00	6.80	999.00	0.00	244.7	(2-Lane)	
1.800	29.90	999.00	9.09	999.00	0.00	327.2	(1-Lane)	
1.900	42.37	999.00	12.86	999.00	0.00	462.9	(2-Lane)	
1.900	56.66	999.00	17.20	999.00	0.00	619.1	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-INV

Rating Live Load:

HS20

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 786

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	12.61	999.00	12.61	999.00	252.16	453.9 (2-Lane)
1.100	16.86	999.00	16.86	999.00	337.23	607.0 (1-Lane)
1.200	6.98	999.00	6.98	999.00	139.62	251.3 (2-Lane)
1.200	9.34	999.00	9.34	999.00	186.72	336.1 (1-Lane)
1.300	5.37	999.00	5.37	999.00	107.33	193.2 (2-Lane)
1.300	7.18	999.00	7.18	999.00	143.54	258.4 (1-Lane)
1.400	4.71	999.00	4.71	999.00	94.28	169.7 (2-Lane)
1.400	6.30	999.00	6.30	999.00	126.09	227.0 (1-Lane)
1.500	4.64	999.00	4.64	999.00	92.80	167.0 (2-Lane)
1.500	6.21	999.00	6.21	999.00	124.11	223.4 (1-Lane)
1.600	4.71	999.00	4.71	999.00	94.28	169.7 (2-Lane)
1.600	6.30	999.00	6.30	999.00	126.09	227.0 (1-Lane)
1.700	5.37	999.00	5.37	999.00	107.33	193.2 (2-Lane)
1.700	7.18	999.00	7.18	999.00	143.54	258.4 (1-Lane)
1.800	6.98	999.00	6.98	999.00	139.62	251.3 (2-Lane)
1.800	9.34	999.00	9.34	999.00	186.72	336.1 (1-Lane)
1.900	12.54	999.00	12.54	999.00	250.83	451.5 (2-Lane)
1.900	16.77	999.00	16.77	999.00	335.46	603.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 787

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	(2-Lane)		(1-Lane)	
					LL 1.75		LL 1.75	
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	96.99	0.00	72.93	0.00	84.51	0.00
1.100	43.8	5.6	90.98	0.00	68.41	0.00	79.27	0.00
1.200	29.3	4.2	78.61	0.00	59.11	0.00	68.49	0.00
1.300	19.5	2.8	66.24	0.00	49.81	0.00	57.72	0.00
1.400	9.8	1.4	53.88	0.00	40.51	0.00	46.94	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00
1.600	-9.8	-1.4	-53.88	0.00	-40.51	0.00	-46.94	0.00
1.700	-19.5	-2.8	-66.24	0.00	-49.81	0.00	-57.72	0.00
1.800	-29.3	-4.2	-78.61	0.00	-59.11	0.00	-68.49	0.00
1.900	-39.0	-5.6	-90.98	0.00	-68.41	0.00	-79.27	0.00

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1.949 -43.7 -12.5 -96.99 0.00 -72.93 0.00 -84.51 0.00 -63.54 0.00
2.000 -48.8 0.0 0.00 0.00 0.00 0.00 0.00 0.00 0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 788
STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G05
Rating Type: I-INV
Rating Live Load: HS20

	Vc	Shear Vs	Resistance Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (2-Lane)
1.400	102.6	30.6	133.2	-144.3	122.0 (1-Lane)
1.500	60.5	48.2	108.7	-108.7	108.7 (2-Lane)
1.500	61.7	48.2	109.9	-109.9	109.9 (1-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (2-Lane)
1.600	102.6	30.6	133.2	-122.0	144.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 789
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G05
Rating Type: I-INV
Rating Live Load: HS20

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.97	1.41	28.21	50.8 (2-Lane)
1.051	103.26	1.62	32.38	58.3 (1-Lane)
1.100	48.65	1.85	37.07	66.7 (2-Lane)
1.100	55.84	2.13	42.55	76.6 (1-Lane)
1.200	19.14	1.83	36.53	65.8 (2-Lane)
1.200	21.97	2.10	41.93	75.5 (1-Lane)
1.300	10.88	2.52	50.36	90.7 (2-Lane)
1.300	12.49	2.89	57.81	104.1 (1-Lane)
1.400	4.61	2.19	43.78	78.8 (2-Lane)
1.400	5.44	2.60	51.98	93.6 (1-Lane)
1.500	2.62	2.62	52.39	94.3 (2-Lane)
1.500	3.04	3.04	60.77	109.4 (1-Lane)
1.600	2.19	4.61	43.78	78.8 (2-Lane)
1.600	2.60	5.44	51.99	93.6 (1-Lane)
1.700	2.52	10.88	50.36	90.7 (2-Lane)
1.700	2.89	12.49	57.81	104.1 (1-Lane)
1.800	1.83	19.14	36.53	65.8 (2-Lane)
1.800	2.10	21.97	41.93	75.5 (1-Lane)
1.900	1.98	48.95	39.56	71.2 (2-Lane)
1.900	2.27	56.19	45.40	81.7 (1-Lane)
1.949	1.47	90.28	29.41	52.9 (2-Lane)
1.949	1.69	103.61	33.75	60.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 790
SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G05									
Rating Type:	III-IN									
Rating Live Load:	HS20									
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.00	1.00	LL				LL			
			0.80				0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	50.5	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	66.3	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	75.8	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	79.0	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	75.8	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	66.3	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	50.5	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	28.4	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 790

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type:	HS20							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.50	999.00	15.99	999.00	319.72	575.5 (2-Lane)
1.100	70.21	999.00	21.38	999.00	427.58	769.6 (1-Lane)
1.200	27.69	999.00	8.42	999.00	168.40	303.1 (2-Lane)
1.200	37.04	999.00	11.26	999.00	225.21	405.4 (1-Lane)
1.300	20.49	999.00	6.24	999.00	124.77	224.6 (2-Lane)
1.300	27.40	999.00	8.34	999.00	166.86	300.4 (1-Lane)
1.400	17.56	999.00	5.35	999.00	107.01	192.6 (2-Lane)
1.400	23.48	999.00	7.16	999.00	143.12	257.6 (1-Lane)
1.500	17.13	999.00	5.22	999.00	104.47	188.0 (2-Lane)
1.500	22.91	999.00	6.99	999.00	139.71	251.5 (1-Lane)
1.600	17.56	999.00	5.35	999.00	107.01	192.6 (2-Lane)
1.600	23.48	999.00	7.16	999.00	143.12	257.6 (1-Lane)
1.700	20.49	999.00	6.24	999.00	124.77	224.6 (2-Lane)
1.700	27.40	999.00	8.34	999.00	166.86	300.4 (1-Lane)
1.800	27.69	999.00	8.42	999.00	168.40	303.1 (2-Lane)
1.800	37.04	999.00	11.26	999.00	225.21	405.4 (1-Lane)
1.900	52.20	999.00	15.84	999.00	316.88	570.4 (2-Lane)

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1.900 69.82 999.00 21.19 999.00 423.78 762.8 (1-Lane)
1.949 999.00 999.00 999.00 999.00 999.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 999.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 999.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 999.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	63.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	82.9	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	94.8	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	98.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	94.8	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	82.9	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	63.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	35.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.37	999.00	17.37	999.00	0.00	434.2 (2-Lane)
1.100	23.23	999.00	23.23	999.00	0.00	580.7 (1-Lane)
1.200	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.200	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.300	7.28	999.00	7.28	999.00	0.00	181.9 (2-Lane)
1.300	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.400	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.400	8.51	999.00	8.51	999.00	0.00	212.7 (1-Lane)

1.500	6.20	999.00	6.20	999.00	0.00	154.9 (2-Lane)
1.500	8.29	999.00	8.29	999.00	0.00	207.1 (1-Lane)
1.600	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.600	8.51	999.00	8.51	999.00	0.00	212.7 (1-Lane)
1.700	7.28	999.00	7.28	999.00	0.00	181.9 (2-Lane)
1.700	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.800	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.800	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.900	17.28	999.00	17.28	999.00	0.00	431.9 (2-Lane)
1.900	23.11	999.00	23.11	999.00	0.00	577.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	70.22	0.00	52.80	0.00	61.18	0.00	46.00
1.100	43.8	5.6	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	29.3	4.2	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	19.5	2.8	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	9.8	1.4	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-9.8	-1.4	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-19.5	-2.8	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-29.3	-4.2	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-39.0	-5.6	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.949	-43.7	-12.5	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.5	30.6	124.1	-135.2	112.9 (2-Lane)
1.400	96.2	30.6	126.7	-137.9	115.6 (1-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (2-Lane)
1.500	55.7	48.2	103.9	-103.9	103.9 (1-Lane)
1.600	93.5	30.6	124.1	-113.0	135.2 (2-Lane)
1.600	96.2	30.6	126.8	-115.6	137.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.36	1.95	0.00	48.7 (2-Lane)
1.051	194.38	2.24	0.00	55.9 (1-Lane)
1.100	70.68	2.55	0.00	63.8 (2-Lane)
1.100	81.13	2.93	0.00	73.3 (1-Lane)
1.200	21.87	2.50	0.00	62.5 (2-Lane)
1.200	25.10	2.87	0.00	71.7 (1-Lane)
1.300	13.67	3.41	0.00	85.3 (2-Lane)
1.300	15.69	3.92	0.00	98.0 (1-Lane)
1.400	5.85	2.80	0.00	70.1 (2-Lane)
1.400	6.85	3.29	0.00	82.4 (1-Lane)
1.500	3.28	3.28	0.00	81.9 (2-Lane)
1.500	3.76	3.76	0.00	94.1 (1-Lane)
1.600	2.80	5.85	0.00	70.1 (2-Lane)
1.600	3.29	6.85	0.00	82.4 (1-Lane)
1.700	3.41	13.67	0.00	85.3 (2-Lane)
1.700	3.92	15.69	0.00	98.0 (1-Lane)
1.800	2.50	21.87	0.00	62.5 (2-Lane)
1.800	2.87	25.10	0.00	71.7 (1-Lane)
1.900	2.72	71.12	0.00	68.1 (2-Lane)
1.900	3.13	81.63	0.00	78.2 (1-Lane)
1.949	2.03	169.93	0.00	50.8 (2-Lane)
1.949	2.33	195.04	0.00	58.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 798

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN

Rating Live Load:

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	50.5	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	66.3	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	75.8	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	79.0	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	75.8	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	66.3	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	50.5	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	28.4	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 798

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.72	999.00	29.45	999.00	0.00	736.3 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.68	999.00	15.41	999.00	0.00	385.2 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.15	999.00	11.31	999.00	0.00	282.8 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.4 (1-Lane)
1.500	22.88	999.00	6.97	999.00	0.00	174.4 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.2 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.4 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.15	999.00	11.31	999.00	0.00	282.8 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.68	999.00	15.41	999.00	0.00	385.2 (1-Lane)
1.900	71.92	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.18	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	443.0	63.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	581.4	82.9	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	664.5	94.8	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	692.1	98.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	664.5	94.8	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	581.4	82.9	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	443.0	63.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	249.2	35.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
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1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.72	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	19.68	999.00	19.68	999.00	0.00	787.3 (1-Lane)
1.200	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.200	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.300	6.35	999.00	6.35	999.00	0.00	253.8 (2-Lane)
1.300	8.49	999.00	8.49	999.00	0.00	339.5 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.500	5.70	999.00	5.70	999.00	0.00	228.2 (2-Lane)
1.500	7.63	999.00	7.63	999.00	0.00	305.1 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.700	6.35	999.00	6.35	999.00	0.00	253.8 (2-Lane)
1.700	8.49	999.00	8.49	999.00	0.00	339.5 (1-Lane)
1.800	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.800	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.900	14.64	999.00	14.64	999.00	0.00	585.6 (2-Lane)
1.900	19.58	999.00	19.58	999.00	0.00	783.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV

Rating Live Load: 3S2

Rating Live Load:		DC		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.75		1.75				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	67.45	0.00	50.72	0.00	58.77	0.00	44.19	0.00
1.100	43.8	5.6	77.94	0.00	58.60	0.00	67.91	0.00	51.06	0.00
1.200	29.3	4.2	64.20	0.00	48.27	0.00	55.93	0.00	42.05	0.00
1.300	19.5	2.8	50.91	0.00	38.28	0.00	44.36	0.00	33.35	0.00
1.400	9.8	1.4	39.54	0.00	29.73	0.00	34.45	0.00	25.90	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00	18.59	0.00
1.600	-9.8	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00	-25.90	0.00
1.700	-19.5	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00	-33.35	0.00
1.800	-29.3	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00	-42.05	0.00
1.900	-39.0	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00	-51.06	0.00
1.949	-43.7	-12.5	-84.62	0.00	-63.62	0.00	-73.72	0.00	-55.43	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	87.9	30.6	118.5	-129.6	107.3 (2-Lane)
1.400	91.0	30.6	121.6	-132.7	110.4 (1-Lane)
1.500	49.4	48.2	97.6	-97.6	97.6 (2-Lane)
1.500	49.7	48.2	98.0	-98.0	98.0 (1-Lane)
1.600	87.9	30.6	118.5	-107.3	129.6 (2-Lane)
1.600	91.0	30.6	121.6	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 805

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3S2

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.36	2.03	0.00	81.1 (2-Lane)
1.051	194.38	2.33	0.00	93.1 (1-Lane)
1.100	70.68	2.16	0.00	86.5 (2-Lane)
1.100	81.13	2.48	0.00	99.3 (1-Lane)
1.200	21.87	2.24	0.00	89.5 (2-Lane)
1.200	25.10	2.57	0.00	102.7 (1-Lane)
1.300	13.67	3.28	0.00	131.1 (2-Lane)
1.300	15.69	3.76	0.00	150.4 (1-Lane)
1.400	6.08	2.71	0.00	108.6 (2-Lane)
1.400	7.15	3.21	0.00	128.2 (1-Lane)
1.500	3.44	3.44	0.00	137.6 (2-Lane)
1.500	3.96	3.96	0.00	158.5 (1-Lane)
1.600	2.71	6.08	0.00	108.6 (2-Lane)
1.600	3.21	7.15	0.00	128.2 (1-Lane)
1.700	3.28	13.67	0.00	131.1 (2-Lane)
1.700	3.76	15.69	0.00	150.4 (1-Lane)
1.800	2.24	21.87	0.00	89.5 (2-Lane)
1.800	2.57	25.10	0.00	102.7 (1-Lane)
1.900	2.31	71.12	0.00	92.4 (2-Lane)
1.900	2.65	81.63	0.00	106.0 (1-Lane)
1.949	1.68	169.93	0.00	67.4 (2-Lane)
1.949	1.93	195.04	0.00	77.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	50.5	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	66.3	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	75.8	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	79.0	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	75.8	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	66.3	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	50.5	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	28.4	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 806

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.96	999.00	24.96	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.6 (1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.1 (2-Lane)
1.300	32.40	999.00	9.87	999.00	0.00	394.6 (1-Lane)
1.400	20.98	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	342.0 (1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8 (2-Lane)
1.500	28.17	999.00	8.59	999.00	0.00	343.5 (1-Lane)
1.600	20.98	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	342.0 (1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.1 (2-Lane)
1.700	32.40	999.00	9.87	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00	551.6 (1-Lane)
1.900	60.94	999.00	18.50	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.74	999.00	0.00	989.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 808

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	340.72 R	256.18	254.77 R	191.55
1.200	443.0	63.2	562.44 R	422.89	420.56 R	316.21
1.300	581.4	82.9	704.62 R	529.79	526.87 R	396.14
1.400	664.5	94.8	740.12 R	556.48	553.41 R	416.10
1.500	692.1	98.7	784.83 R	590.10	586.84 R	441.23
1.600	664.5	94.8	740.12 R	556.48	553.41 R	416.10
1.700	581.4	82.9	704.62 R	529.79	526.87 R	396.14
1.800	443.0	63.2	562.44 R	422.89	420.56 R	316.21
1.900	249.2	35.5	340.72 R	256.18	254.77 R	191.55
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 809

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	686.0 (2-Lane)
1.100	22.93	999.00	22.93	999.00	0.00	917.4 (1-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.200	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.300	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.300	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.400	7.21	999.00	7.21	999.00	0.00	288.5 (2-Lane)
1.400	9.65	999.00	9.65	999.00	0.00	385.8 (1-Lane)
1.500	6.76	999.00	6.76	999.00	0.00	270.4 (2-Lane)
1.500	9.04	999.00	9.04	999.00	0.00	361.7 (1-Lane)
1.600	7.21	999.00	7.21	999.00	0.00	288.5 (2-Lane)
1.600	9.65	999.00	9.65	999.00	0.00	385.8 (1-Lane)
1.700	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)

1.700	10.31	999.00	10.31	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 412.4 (1-Lane)
1.800	9.94	999.00	9.94	999.00	0.00 397.6 (2-Lane)
1.800	13.29	999.00	13.29	999.00	0.00 531.7 (1-Lane)
1.900	17.06	999.00	17.06	999.00	0.00 682.3 (2-Lane)
1.900	22.81	999.00	22.81	999.00	0.00 912.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	72.57	0.00	54.56	0.00	63.22	0.00	47.54	0.00
1.100	43.8	5.6	66.89	0.00	50.29	0.00	58.28	0.00	43.82	0.00
1.200	29.3	4.2	55.21	0.00	41.51	0.00	48.10	0.00	36.17	0.00
1.300	19.5	2.8	43.53	0.00	32.73	0.00	37.92	0.00	28.51	0.00
1.400	9.8	1.4	33.97	0.00	25.54	0.00	29.60	0.00	22.26	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30	0.00
1.600	-9.8	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26	0.00
1.700	-19.5	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51	0.00
1.800	-29.3	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17	0.00
1.900	-39.0	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82	0.00
1.949	-43.7	-12.5	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (2-Lane)
1.400	90.9	30.6	121.5	-132.7	110.4 (1-Lane)
1.500	50.0	48.2	98.3	-98.3	98.3 (2-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (1-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (2-Lane)
1.600	90.9	30.6	121.5	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)

1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	205.65	1.88	0.00	75.4 (2-Lane)
1.051	236.03	2.16	0.00	86.5 (1-Lane)
1.100	85.83	2.52	0.00	100.8 (2-Lane)
1.100	98.51	2.89	0.00	115.7 (1-Lane)
1.200	26.55	2.60	0.00	104.0 (2-Lane)
1.200	30.48	2.98	0.00	119.4 (1-Lane)
1.300	16.60	3.83	0.00	153.3 (2-Lane)
1.300	19.05	4.40	0.00	175.9 (1-Lane)
1.400	6.92	3.19	0.00	127.4 (2-Lane)
1.400	8.07	3.73	0.00	149.2 (1-Lane)
1.500	3.72	3.72	0.00	148.8 (2-Lane)
1.500	4.26	4.26	0.00	170.5 (1-Lane)
1.600	3.19	6.92	0.00	127.4 (2-Lane)
1.600	3.73	8.07	0.00	149.2 (1-Lane)
1.700	3.83	16.60	0.00	153.3 (2-Lane)
1.700	4.40	19.05	0.00	175.9 (1-Lane)
1.800	2.60	26.55	0.00	104.0 (2-Lane)
1.800	2.98	30.48	0.00	119.4 (1-Lane)
1.900	2.69	86.36	0.00	107.6 (2-Lane)
1.900	3.09	99.12	0.00	123.5 (1-Lane)
1.949	1.97	206.34	0.00	78.6 (2-Lane)
1.949	2.26	236.83	0.00	90.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 814

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	50.5	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	66.3	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	75.8	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	79.0	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	75.8	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	66.3	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	50.5	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	28.4	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: III-INV S
 Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.50	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	11.99	999.00	0.00	479.6 (2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.4 (1-Lane)
1.300	29.44	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.300	39.37	999.00	11.99	999.00	0.00	479.5 (1-Lane)
1.400	26.86	999.00	8.19	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.9 (1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.1 (1-Lane)
1.600	26.86	999.00	8.19	999.00	0.00	327.4 (2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.9 (1-Lane)
1.700	29.44	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.700	39.37	999.00	11.99	999.00	0.00	479.5 (1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.6 (2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.4 (1-Lane)
1.900	71.01	999.00	21.55	999.00	0.00	862.0 (2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
 Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL 1.75		LL 1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	443.0	63.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	581.4	82.9	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	664.5	94.8	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	692.1	98.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	664.5	94.8	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	82.9	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	63.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	35.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
 Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8

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1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2	
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3	
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1	
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-INV

Rating Live Load:

SU4

Moment									
Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)		
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)		
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)		
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)		
1.100	15.72	999.00		15.72	999.00	0.00	424.5 (2-Lane)		
1.100	21.03	999.00		21.03	999.00	0.00	567.8 (1-Lane)		
1.200	8.62	999.00		8.62	999.00	0.00	232.7 (2-Lane)		
1.200	11.53	999.00		11.53	999.00	0.00	311.2 (1-Lane)		
1.300	6.53	999.00		6.53	999.00	0.00	176.4 (2-Lane)		
1.300	8.74	999.00		8.74	999.00	0.00	236.0 (1-Lane)		
1.400	5.63	999.00		5.63	999.00	0.00	152.1 (2-Lane)		
1.400	7.53	999.00		7.53	999.00	0.00	203.3 (1-Lane)		
1.500	5.44	999.00		5.44	999.00	0.00	147.0 (2-Lane)		
1.500	7.28	999.00		7.28	999.00	0.00	196.6 (1-Lane)		
1.600	5.63	999.00		5.63	999.00	0.00	152.1 (2-Lane)		
1.600	7.53	999.00		7.53	999.00	0.00	203.3 (1-Lane)		
1.700	6.53	999.00		6.53	999.00	0.00	176.4 (2-Lane)		
1.700	8.74	999.00		8.74	999.00	0.00	236.0 (1-Lane)		
1.800	8.62	999.00		8.62	999.00	0.00	232.7 (2-Lane)		
1.800	11.53	999.00		11.53	999.00	0.00	311.2 (1-Lane)		
1.900	15.64	999.00		15.64	999.00	0.00	422.3 (2-Lane)		
1.900	20.92	999.00		20.92	999.00	0.00	564.8 (1-Lane)		
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)		
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)		
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)		
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)		

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-INV

Rating Live Load:

SU4

Gamma		DC	DW	(2-Lane)			(1-Lane)			
		1.25	1.25	LL 1.75			LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	77.46	0.00	58.24	0.00	67.49	0.00	50.74	0.00
1.100	43.8	5.6	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00
1.200	29.3	4.2	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00
1.300	19.5	2.8	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00
1.400	9.8	1.4	45.13	0.00	33.93	0.00	39.32	0.00	29.56	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49	0.00
1.600	-9.8	-1.4	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56	0.00
1.700	-19.5	-2.8	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64	0.00
1.800	-29.3	-4.2	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71	0.00
1.900	-39.0	-5.6	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79	0.00
1.949	-43.7	-12.5	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-INV

Rating Live Load:

SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	95.3	30.6	125.9	-137.0	114.7 (2-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (1-Lane)
1.500	57.9	48.2	106.2	-106.2	106.2 (2-Lane)
1.500	58.5	48.2	106.7	-106.7	106.7 (1-Lane)
1.600	95.3	30.6	125.9	-114.7	137.0 (2-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 821

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.36	1.77	0.00	47.7 (2-Lane)
1.051	194.38	2.03	0.00	54.7 (1-Lane)
1.100	70.68	2.31	0.00	62.4 (2-Lane)
1.100	81.13	2.65	0.00	71.6 (1-Lane)
1.200	20.17	2.26	0.00	60.9 (2-Lane)
1.200	23.15	2.59	0.00	69.9 (1-Lane)
1.300	11.98	3.07	0.00	82.8 (2-Lane)
1.300	13.75	3.52	0.00	95.0 (1-Lane)
1.400	5.16	2.54	0.00	68.7 (2-Lane)
1.400	6.06	3.00	0.00	81.0 (1-Lane)
1.500	2.96	2.96	0.00	80.0 (2-Lane)
1.500	3.42	3.42	0.00	92.2 (1-Lane)
1.600	2.54	5.16	0.00	68.7 (2-Lane)
1.600	3.00	6.06	0.00	81.0 (1-Lane)
1.700	3.07	11.98	0.00	82.8 (2-Lane)
1.700	3.52	13.75	0.00	95.0 (1-Lane)
1.800	2.26	20.17	0.00	60.9 (2-Lane)
1.800	2.59	23.15	0.00	69.9 (1-Lane)
1.900	2.47	71.12	0.00	66.6 (2-Lane)
1.900	2.83	81.63	0.00	76.4 (1-Lane)
1.949	1.84	169.93	0.00	49.7 (2-Lane)
1.949	2.11	195.04	0.00	57.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 822

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00

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1.200	354.4	50.5	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73
1.300	465.1	66.3	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66
1.400	531.6	75.8	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60
1.500	553.7	79.0	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51
1.600	531.6	75.8	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60
1.700	465.1	66.3	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66
1.800	354.4	50.5	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73
1.900	199.3	28.4	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G05									
Rating Type: III-INV									
Rating Live Load: STRESSES									
Rating Type: SU4									
Rating Live Load:									
Span									
Service Resistance Available Resistance for LL+I									
Positive Bending Negative Bending Positive Bending Negative Bending									
Top Bott. Top Bott. Top Bott. Top Bott.									
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0	
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2	
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4	
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8	
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1	
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3	
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3	
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3	
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1	
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8	
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5	
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2	
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0	

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G05									
Rating Type: III-INV S									
Rating Live Load: SU4									
Service									
Span									
top fiber bottom fiber top fiber bottom fiber									
+bend -bend +bend -bend									
Rating Value Load Resistance (tons)									
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.100	65.47	999.00	19.94	999.00	0.00	538.3	(2-Lane)		
1.100	87.56	999.00	26.66	999.00	0.00	719.9	(1-Lane)		
1.200	34.19	999.00	10.40	999.00	0.00	280.7	(2-Lane)		
1.200	45.72	999.00	13.90	999.00	0.00	375.3	(1-Lane)		
1.300	24.95	999.00	7.60	999.00	0.00	205.1	(2-Lane)		
1.300	33.37	999.00	10.16	999.00	0.00	274.3	(1-Lane)		
1.400	20.97	999.00	6.39	999.00	0.00	172.6	(2-Lane)		
1.400	28.05	999.00	8.55	999.00	0.00	230.8	(1-Lane)		
1.500	20.10	999.00	6.13	999.00	0.00	165.4	(2-Lane)		
1.500	26.88	999.00	8.19	999.00	0.00	221.3	(1-Lane)		
1.600	20.97	999.00	6.39	999.00	0.00	172.6	(2-Lane)		
1.600	28.05	999.00	8.55	999.00	0.00	230.8	(1-Lane)		
1.700	24.95	999.00	7.60	999.00	0.00	205.1	(2-Lane)		
1.700	33.37	999.00	10.16	999.00	0.00	274.3	(1-Lane)		
1.800	34.19	999.00	10.40	999.00	0.00	280.7	(2-Lane)		
1.800	45.72	999.00	13.90	999.00	0.00	375.3	(1-Lane)		
1.900	65.10	999.00	19.76	999.00	0.00	533.5	(2-Lane)		
1.900	87.07	999.00	26.42	999.00	0.00	713.5	(1-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00
1.200	443.0	63.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00
1.300	581.4	82.9	921.64 R	0.00	692.96	0.00	689.14 R	0.00
1.400	664.5	94.8	1046.79 R	0.00	787.06	0.00	782.72 R	0.00
1.500	692.1	98.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00
1.600	664.5	94.8	1046.79 R	0.00	787.06	0.00	782.72 R	0.00
1.700	581.4	82.9	921.64 R	0.00	692.96	0.00	689.14 R	0.00
1.800	443.0	63.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00
1.900	249.2	35.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 825

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.17	999.00	14.17	999.00	0.00	439.2 (2-Lane)
1.100	18.95	999.00	18.95	999.00	0.00	587.4 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.200	10.44	999.00	10.44	999.00	0.00	323.6 (1-Lane)
1.300	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.300	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.400	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.400	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.500	4.99	999.00	4.99	999.00	0.00	154.7 (2-Lane)
1.500	6.67	999.00	6.67	999.00	0.00	206.9 (1-Lane)
1.600	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.600	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.700	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.700	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.800	10.44	999.00	10.44	999.00	0.00	323.6 (1-Lane)
1.900	14.09	999.00	14.09	999.00	0.00	436.9 (2-Lane)
1.900	18.85	999.00	18.85	999.00	0.00	584.3 (1-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
 1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
 2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
 2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
 2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 827

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU5

Gamma DC DW LL (2-Lane) (1-Lane)
 1.25 1.25 1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	86.14	0.00	64.77	0.00	75.05	56.43
1.100	43.8	5.6	80.96	0.00	60.88	0.00	70.54	53.04
1.200	29.3	4.2	70.32	0.00	52.87	0.00	61.26	46.06
1.300	19.5	2.8	59.67	0.00	44.86	0.00	51.99	39.09
1.400	9.8	1.4	49.02	0.00	36.85	0.00	42.71	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	25.13
1.600	-9.8	-1.4	-49.02	0.00	-36.85	0.00	-42.71	-32.11
1.700	-19.5	-2.8	-59.67	0.00	-44.86	0.00	-51.99	-39.09
1.800	-29.3	-4.2	-70.32	0.00	-52.87	0.00	-61.26	-46.06
1.900	-39.0	-5.6	-80.96	0.00	-60.88	0.00	-70.54	-53.04
1.949	-43.7	-12.5	-86.14	0.00	-64.77	0.00	-75.05	-56.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	96.1	30.6	126.7	-137.8	115.5 (2-Lane)
1.400	99.7	30.6	130.3	-141.5	119.2 (1-Lane)
1.500	58.8	48.2	107.0	-107.0	107.0 (2-Lane)
1.500	59.6	48.2	107.9	-107.9	107.9 (1-Lane)
1.600	96.1	30.6	126.7	-115.5	137.8 (2-Lane)
1.600	99.7	30.6	130.3	-119.2	141.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 829

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU5

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.36	1.59	0.00	49.2 (2-Lane)
1.051	194.38	1.82	0.00	56.5 (1-Lane)
1.100	70.68	2.08	0.00	64.6 (2-Lane)
1.100	81.13	2.39	0.00	74.1 (1-Lane)

1.200	20.17	2.04	0.00	63.3 (2-Lane)
1.200	23.15	2.34	0.00	72.7 (1-Lane)
1.300	11.20	2.80	0.00	86.7 (2-Lane)
1.300	12.86	3.21	0.00	99.5 (1-Lane)
1.400	4.97	2.36	0.00	73.1 (2-Lane)
1.400	5.86	2.79	0.00	86.5 (1-Lane)
1.500	2.79	2.79	0.00	86.5 (2-Lane)
1.500	3.23	3.23	0.00	100.1 (1-Lane)
1.600	2.36	4.97	0.00	73.1 (2-Lane)
1.600	2.79	5.86	0.00	86.5 (1-Lane)
1.700	2.80	11.20	0.00	86.7 (2-Lane)
1.700	3.21	12.86	0.00	99.5 (1-Lane)
1.800	2.04	20.17	0.00	63.3 (2-Lane)
1.800	2.34	23.15	0.00	72.7 (1-Lane)
1.900	2.22	71.12	0.00	68.9 (2-Lane)
1.900	2.55	81.63	0.00	79.1 (1-Lane)
1.949	1.66	169.93	0.00	51.3 (2-Lane)
1.949	1.90	195.04	0.00	58.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 830

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	50.5	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	66.3	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	75.8	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	79.0	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	75.8	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	66.3	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	50.5	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	28.4	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 830

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load: Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Top Bott. Top Bott. Top Bott. Top Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 831

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV S
Rating Live Load: SU5

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.9 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.41	999.00	12.59	999.00	0.00	390.3 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.10	999.00	9.16	999.00	0.00	284.1 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.40	999.00	7.74	999.00	0.00	240.0 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.64	999.00	7.51	999.00	0.00	232.9 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.40	999.00	7.74	999.00	0.00	240.0 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.10	999.00	9.16	999.00	0.00	284.1 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.800	41.41	999.00	12.59	999.00	0.00	390.3 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 832

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	63.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	82.9	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	94.8	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	98.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	94.8	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	82.9	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	63.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	35.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 833

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-INV
 Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.42	999.00	13.42	999.00	0.00	466.5 (2-Lane)
1.100	17.95	999.00	17.95	999.00	0.00	623.9 (1-Lane)
1.200	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.200	9.52	999.00	9.52	999.00	0.00	330.9 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	185.1 (2-Lane)
1.300	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.400	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.400	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.500	4.48	999.00	4.48	999.00	0.00	155.6 (2-Lane)
1.500	5.99	999.00	5.99	999.00	0.00	208.1 (1-Lane)
1.600	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.600	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	185.1 (2-Lane)
1.700	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.800	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.800	9.52	999.00	9.52	999.00	0.00	330.9 (1-Lane)
1.900	13.35	999.00	13.35	999.00	0.00	464.0 (2-Lane)
1.900	17.86	999.00	17.86	999.00	0.00	620.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-INV
 Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	91.25	0.00	68.61	0.00
1.100	43.8	5.6	85.45	0.00	64.25	0.00
1.200	29.3	4.2	73.51	0.00	55.27	0.00
1.300	19.5	2.8	61.58	0.00	46.30	0.00
1.400	9.8	1.4	49.64	0.00	37.32	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00
1.600	-9.8	-1.4	-49.64	0.00	-37.32	0.00
1.700	-19.5	-2.8	-61.58	0.00	-46.30	0.00
1.800	-29.3	-4.2	-73.51	0.00	-55.27	0.00
1.900	-39.0	-5.6	-85.45	0.00	-64.25	0.00
1.949	-43.7	-12.5	-91.25	0.00	-68.61	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-INV
 Rating Live Load: SU6

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-) (+)	
1.000	0.0	0.0	0.0	0.0 (2-Lane)

1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	92.7	30.6	123.3	-134.4	112.2 (2-Lane)
1.400	96.7	30.6	127.3	-138.4	116.1 (1-Lane)
1.500	55.2	48.2	103.4	-103.4	103.4 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	92.7	30.6	123.3	-112.2	134.5 (2-Lane)
1.600	96.7	30.6	127.3	-116.2	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 837

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.36	1.50	0.00	52.1 (2-Lane)
1.051	287.35	1.72	0.00	59.8 (1-Lane)
1.100	119.52	1.97	0.00	68.6 (2-Lane)
1.100	137.18	2.27	0.00	78.7 (1-Lane)
1.200	25.48	1.95	0.00	67.9 (2-Lane)
1.200	29.25	2.24	0.00	77.9 (1-Lane)
1.300	12.48	2.71	0.00	94.1 (2-Lane)
1.300	14.32	3.11	0.00	108.1 (1-Lane)
1.400	5.00	2.26	0.00	78.5 (2-Lane)
1.400	5.91	2.69	0.00	93.3 (1-Lane)
1.500	2.74	2.74	0.00	95.3 (2-Lane)
1.500	3.18	3.18	0.00	110.6 (1-Lane)
1.600	2.26	5.00	0.00	78.5 (2-Lane)
1.600	2.69	5.91	0.00	93.3 (1-Lane)
1.700	2.71	12.48	0.00	94.1 (2-Lane)
1.700	3.11	14.32	0.00	108.1 (1-Lane)
1.800	1.95	25.48	0.00	67.9 (2-Lane)
1.800	2.24	29.25	0.00	77.9 (1-Lane)
1.900	2.11	120.27	0.00	73.2 (2-Lane)
1.900	2.42	138.04	0.00	84.0 (1-Lane)
1.949	1.56	251.20	0.00	54.3 (2-Lane)
1.949	1.79	288.31	0.00	62.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 838

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	50.5	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	66.3	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	75.8	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	79.0	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	75.8	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	66.3	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	50.5	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	28.4	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00

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1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 838

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G05									
Rating Type: III-INV									
Rating Live Load: STRESSES									
Rating Type: SU6									
Rating Live Load:									
Span	Service Resistance				Available Resistance for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.	
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0	
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2	
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4	
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8	
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1	
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3	
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3	
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3	
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1	
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8	
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5	
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2	
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 839

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G05									
Rating Type: III-INV S									
Rating Live Load: SU6									
Service									
Span	top	Rating	Factor	bottom	Rating	Load			
	+bend	fiber		fiber	Value	Resistance			
		-bend		-bend		(tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)			
1.100	74.75	999.00	22.76	999.00	0.00	791.0 (1-Lane)			
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)			
1.200	37.77	999.00	11.48	999.00	0.00	399.1 (1-Lane)			
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)			
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)			
1.400	17.28	999.00	5.26	999.00	0.00	183.0 (2-Lane)			
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)			
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)			
1.500	22.11	999.00	6.74	999.00	0.00	234.2 (1-Lane)			
1.600	17.28	999.00	5.26	999.00	0.00	183.0 (2-Lane)			
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)			
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)			
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)			
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)			
1.800	37.77	999.00	11.48	999.00	0.00	399.1 (1-Lane)			
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)			
1.900	74.33	999.00	22.56	999.00	0.00	784.0 (1-Lane)			
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 840

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G05									
Rating Type: I-INV									
Rating Live Load: SU7									
Gamma	DC	DW	(2-Lane)		(1-Lane)				
			LL		LL				

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1.25 1.25 1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	63.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	82.9	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	94.8	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	98.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	94.8	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	82.9	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	63.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	35.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 841

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 842

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	497.1 (2-Lane)
1.100	17.16	999.00	17.16	999.00	0.00	664.9 (1-Lane)
1.200	6.81	999.00	6.81	999.00	0.00	263.7 (2-Lane)
1.200	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.300	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.300	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.400	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.400	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.500	4.13	999.00	4.13	999.00	0.00	159.9 (2-Lane)
1.500	5.52	999.00	5.52	999.00	0.00	213.8 (1-Lane)
1.600	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.600	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.700	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.700	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.800	6.81	999.00	6.81	999.00	0.00	263.7 (2-Lane)
1.800	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.900	12.76	999.00	12.76	999.00	0.00	494.5 (2-Lane)
1.900	17.07	999.00	17.07	999.00	0.00	661.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
 Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	95.88	0.00	83.54	0.00
1.100	43.8	5.6	89.41	0.00	77.90	0.00
1.200	29.3	4.2	76.10	0.00	66.30	0.00
1.300	19.5	2.8	62.78	0.00	54.70	0.00
1.400	9.8	1.4	49.47	0.00	43.10	0.00
1.500	0.0	0.0	36.72	0.00	31.99	0.00
1.600	-9.8	-1.4	-49.47	0.00	-43.10	0.00
1.700	-19.5	-2.8	-62.78	0.00	-54.70	0.00
1.800	-29.3	-4.2	-76.10	0.00	-66.30	0.00
1.900	-39.0	-5.6	-89.41	0.00	-77.90	0.00
1.949	-43.7	-12.5	-95.88	0.00	-83.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
 Rating Live Load: SU7

Vc	Shear Resistance		Available Resistance for LL+I	
	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	-211.4	166.8 (1-Lane)
1.400	89.2	30.6	-131.0	108.7 (2-Lane)
1.400	93.4	30.6	-135.2	112.9 (1-Lane)
1.500	52.1	48.2	-100.3	100.3 (2-Lane)
1.500	53.3	48.2	-101.6	101.6 (1-Lane)
1.600	89.2	30.6	-108.7	131.0 (2-Lane)
1.600	93.4	30.6	-112.9	135.2 (1-Lane)
1.700	106.5	82.6	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-INV
 Rating Live Load: SU7

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.36	1.43	0.00	55.3 (2-Lane)
1.051	287.35	1.64	0.00	63.5 (1-Lane)
1.100	135.37	1.89	0.00	73.1 (2-Lane)
1.100	155.37	2.16	0.00	83.9 (1-Lane)
1.200	33.65	1.89	0.00	73.1 (2-Lane)
1.200	38.62	2.17	0.00	83.9 (1-Lane)
1.300	14.32	2.66	0.00	103.0 (2-Lane)
1.300	16.43	3.05	0.00	118.2 (1-Lane)
1.400	5.16	2.20	0.00	85.1 (2-Lane)
1.400	6.11	2.62	0.00	101.5 (1-Lane)

1.500	2.73	2.73	0.00	105.8 (2-Lane)
1.500	3.17	3.17	0.00	123.0 (1-Lane)
1.600	2.20	5.16	0.00	85.1 (2-Lane)
1.600	2.62	6.11	0.00	101.5 (1-Lane)
1.700	2.66	14.32	0.00	103.0 (2-Lane)
1.700	3.05	16.43	0.00	118.2 (1-Lane)
1.800	1.89	33.65	0.00	73.1 (2-Lane)
1.800	2.17	38.62	0.00	83.9 (1-Lane)
1.900	2.01	136.22	0.00	78.0 (2-Lane)
1.900	2.31	156.34	0.00	89.5 (1-Lane)
1.949	1.49	251.20	0.00	57.6 (2-Lane)
1.949	1.71	288.31	0.00	66.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.4	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	50.5	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	66.3	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	75.8	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	79.0	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	75.8	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	66.3	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	50.5	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	28.4	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

9999999_20120831cy17_FlexuralRpt.txt					
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00 630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00 843.0 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00 318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00 425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00 222.9 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00 298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00 189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00 252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00 180.0 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00 240.7 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00 189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00 252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00 222.9 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00 298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00 318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00 425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00 624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00 835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25		1.25		LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	63.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	82.9	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	94.8	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	98.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	94.8	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	82.9	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	63.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	35.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
 Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.5 (2-Lane)
1.100	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.200	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.300	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.400	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.400	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.500	4.77	999.00	4.77	999.00	0.00	171.7 (2-Lane)
1.500	6.38	999.00	6.38	999.00	0.00	229.6 (1-Lane)
1.600	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.600	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.700	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.800	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	475.0 (2-Lane)
1.900	17.65	999.00	17.65	999.00	0.00	635.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
 Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	91.11	0.00	72.55	0.00	79.38	0.00	63.21	0.00
1.100	43.8	5.6	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	29.3	4.2	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	19.5	2.8	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	9.8	1.4	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-9.8	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-19.5	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00
1.800	-29.3	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82	0.00
1.900	-39.0	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75	0.00
1.949	-43.7	-12.5	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 852

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
 Rating Live Load: HL93

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)

1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.0	30.6	123.6	-134.7	112.4 (2-Lane)
1.400	96.8	30.6	127.4	-138.5	116.2 (1-Lane)
1.500	55.5	48.2	103.7	-103.7	103.7 (2-Lane)
1.500	56.4	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.0	30.6	123.6	-112.4	134.7 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 853

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.63	1.50	0.00	54.0 (2-Lane)
1.051	133.86	1.72	0.00	62.0 (1-Lane)
1.100	62.31	1.99	0.00	71.5 (2-Lane)
1.100	71.51	2.28	0.00	82.1 (1-Lane)
1.200	18.08	1.99	0.00	71.6 (2-Lane)
1.200	20.75	2.28	0.00	82.1 (1-Lane)
1.300	11.03	2.78	0.00	100.1 (2-Lane)
1.300	12.65	3.19	0.00	114.9 (1-Lane)
1.400	4.98	2.34	0.00	84.2 (2-Lane)
1.400	5.87	2.77	0.00	99.9 (1-Lane)
1.500	2.84	2.84	0.00	102.1 (2-Lane)
1.500	3.29	3.29	0.00	118.3 (1-Lane)
1.600	2.34	4.98	0.00	84.2 (2-Lane)
1.600	2.77	5.87	0.00	99.9 (1-Lane)
1.700	2.78	11.03	0.00	100.1 (2-Lane)
1.700	3.19	12.65	0.00	114.9 (1-Lane)
1.800	1.99	18.08	0.00	71.6 (2-Lane)
1.800	2.28	20.75	0.00	82.1 (1-Lane)
1.900	2.12	60.16	0.00	76.3 (2-Lane)
1.900	2.43	69.04	0.00	87.6 (1-Lane)
1.949	1.57	114.51	0.00	56.3 (2-Lane)
1.949	1.80	131.43	0.00	64.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 855

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	63.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	82.9	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	94.8	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	98.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	94.8	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	82.9	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	63.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	35.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 856

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)	
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend			
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	16.34	999.00	16.34	999.00	326.88	588.4	(2-Lane)
1.100	21.86	999.00	21.86	999.00	437.16	786.9	(1-Lane)
1.200	9.05	999.00	9.05	999.00	180.98	325.8	(2-Lane)
1.200	12.10	999.00	12.10	999.00	242.04	435.7	(1-Lane)
1.300	6.96	999.00	6.96	999.00	139.13	250.4	(2-Lane)
1.300	9.30	999.00	9.30	999.00	186.07	334.9	(1-Lane)
1.400	6.11	999.00	6.11	999.00	122.22	220.0	(2-Lane)
1.400	8.17	999.00	8.17	999.00	163.45	294.2	(1-Lane)
1.500	6.01	999.00	6.01	999.00	120.30	216.5	(2-Lane)
1.500	8.04	999.00	8.04	999.00	160.89	289.6	(1-Lane)
1.600	6.11	999.00	6.11	999.00	122.22	220.0	(2-Lane)
1.600	8.17	999.00	8.17	999.00	163.45	294.2	(1-Lane)
1.700	6.96	999.00	6.96	999.00	139.13	250.4	(2-Lane)
1.700	9.30	999.00	9.30	999.00	186.07	334.9	(1-Lane)
1.800	9.05	999.00	9.05	999.00	180.98	325.8	(2-Lane)
1.800	12.10	999.00	12.10	999.00	242.04	435.7	(1-Lane)
1.900	16.26	999.00	16.26	999.00	325.15	585.3	(2-Lane)
1.900	21.74	999.00	21.74	999.00	434.85	782.7	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: HS20

Span	DC		DW		(2-Lane) LL		(1-Lane) LL			
	1.25		1.25		1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	74.82	0.00	56.26	0.00	65.19	0.00	49.01	0.00
1.100	43.8	5.6	70.18	0.00	52.77	0.00	61.15	0.00	45.98	0.00
1.200	29.3	4.2	60.64	0.00	45.60	0.00	52.84	0.00	39.73	0.00
1.300	19.5	2.8	51.10	0.00	38.42	0.00	44.52	0.00	33.48	0.00

9999999_20120831cy17_FlexuralRpt.txt										
1.400	9.8	1.4	41.56	0.00	31.25	0.00	36.21	0.00	27.23	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00	20.98	0.00
1.600	-9.8	-1.4	-41.56	0.00	-31.25	0.00	-36.21	0.00	-27.23	0.00
1.700	-19.5	-2.8	-51.10	0.00	-38.42	0.00	-44.52	0.00	-33.48	0.00
1.800	-29.3	-4.2	-60.64	0.00	-45.60	0.00	-52.84	0.00	-39.73	0.00
1.900	-39.0	-5.6	-70.18	0.00	-52.77	0.00	-61.15	0.00	-45.98	0.00
1.949	-43.7	-12.5	-74.82	0.00	-56.26	0.00	-65.19	0.00	-49.01	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-OPER

Rating Live Load:

HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.8	30.6	124.3	-135.5	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.3	116.0 (1-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (2-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (1-Lane)
1.600	93.8	30.6	124.3	-113.2	135.5 (2-Lane)
1.600	96.6	30.6	127.2	-116.0	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-OPER

Rating Live Load:

HS20

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.63	1.83	36.57	65.8 (2-Lane)
1.051	133.86	2.10	41.97	75.5 (1-Lane)
1.100	63.06	2.40	48.05	86.5 (2-Lane)
1.100	72.38	2.76	55.15	99.3 (1-Lane)
1.200	24.82	2.37	47.36	85.2 (2-Lane)
1.200	28.48	2.72	54.35	97.8 (1-Lane)
1.300	14.10	3.26	65.29	117.5 (2-Lane)
1.300	16.19	3.75	74.93	134.9 (1-Lane)
1.400	5.77	2.72	54.47	98.0 (2-Lane)
1.400	6.76	3.20	64.08	115.3 (1-Lane)
1.500	3.23	3.23	64.68	116.4 (2-Lane)
1.500	3.72	3.72	74.39	133.9 (1-Lane)
1.600	2.72	5.77	54.47	98.1 (2-Lane)
1.600	3.20	6.76	64.08	115.4 (1-Lane)
1.700	3.26	14.10	65.29	117.5 (2-Lane)
1.700	3.75	16.19	74.93	134.9 (1-Lane)
1.800	2.37	24.82	47.36	85.2 (2-Lane)
1.800	2.72	28.48	54.35	97.8 (1-Lane)
1.900	2.56	63.46	51.28	92.3 (2-Lane)
1.900	2.94	72.83	58.85	105.9 (1-Lane)
1.949	1.91	117.02	38.12	68.6 (2-Lane)
1.949	2.19	134.31	43.75	78.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	63.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	82.9	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	94.8	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	98.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	94.8	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	82.9	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	63.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	35.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3

Span	Positive		Moment Resistance		Available Resistance for LL+I			
	Top	Bott.	Bending Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.51	999.00	22.51	999.00	0.00	562.9 (2-Lane)
1.100	30.11	999.00	30.11	999.00	0.00	752.8 (1-Lane)
1.200	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.200	16.56	999.00	16.56	999.00	0.00	414.0 (1-Lane)
1.300	9.43	999.00	9.43	999.00	0.00	235.8 (2-Lane)
1.300	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.400	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.500	8.03	999.00	8.03	999.00	0.00	200.8 (2-Lane)
1.500	10.74	999.00	10.74	999.00	0.00	268.5 (1-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)
1.600	11.03	999.00	11.03	999.00	0.00	275.7 (1-Lane)
1.700	9.43	999.00	9.43	999.00	0.00	235.8 (2-Lane)
1.700	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.800	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)

1.800	16.56	999.00	16.56	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 414.0 (1-Lane)
1.900	22.40	999.00	22.40	999.00	0.00 559.9 (2-Lane)
1.900	29.95	999.00	29.95	999.00	0.00 748.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	5.6	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.2	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	2.8	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.4	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.4	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-2.8	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.2	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-5.6	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-12.5	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.3	108.1 (2-Lane)
1.400	90.3	30.6	120.8	-132.0	109.7 (1-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.6	30.6	119.2	-108.1	130.3 (2-Lane)
1.600	90.3	30.6	120.8	-109.7	132.0 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.54	2.53	0.00	63.1 (2-Lane)

1.051	251.98	2.90	0.00	72.5 (1-Lane)
1.100	91.63	3.31	0.00	82.7 (2-Lane)
1.100	105.16	3.80	0.00	95.0 (1-Lane)
1.200	28.35	3.24	0.00	81.0 (2-Lane)
1.200	32.54	3.72	0.00	93.0 (1-Lane)
1.300	17.72	4.43	0.00	110.6 (2-Lane)
1.300	20.34	5.08	0.00	127.0 (1-Lane)
1.400	7.31	3.48	0.00	86.9 (2-Lane)
1.400	8.50	4.05	0.00	101.3 (1-Lane)
1.500	4.03	4.03	0.00	100.7 (2-Lane)
1.500	4.59	4.59	0.00	114.8 (1-Lane)
1.600	3.48	7.31	0.00	86.9 (2-Lane)
1.600	4.05	8.50	0.00	101.3 (1-Lane)
1.700	4.43	17.72	0.00	110.6 (2-Lane)
1.700	5.08	20.34	0.00	127.0 (1-Lane)
1.800	3.24	28.35	0.00	81.0 (2-Lane)
1.800	3.72	32.54	0.00	93.0 (1-Lane)
1.900	3.53	92.20	0.00	88.3 (2-Lane)
1.900	4.05	105.82	0.00	101.3 (1-Lane)
1.949	2.63	220.28	0.00	65.8 (2-Lane)
1.949	3.02	252.82	0.00	75.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	63.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	82.9	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	94.8	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	98.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	94.8	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	82.9	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	63.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	35.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.08	999.00	19.08	999.00	0.00	763.1 (2-Lane)
1.100	25.51	999.00	25.51	999.00	0.00	999.0 (1-Lane)
1.200	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.200	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.300	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.300	11.00	999.00	11.00	999.00	0.00	440.1 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	390.6 (1-Lane)
1.500	7.39	999.00	7.39	999.00	0.00	295.8 (2-Lane)
1.500	9.89	999.00	9.89	999.00	0.00	395.6 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	390.6 (1-Lane)
1.700	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.700	11.00	999.00	11.00	999.00	0.00	440.1 (1-Lane)
1.800	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.800	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.900	18.98	999.00	18.98	999.00	0.00	759.1 (2-Lane)
1.900	25.38	999.00	25.38	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	43.8	5.6	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	29.3	4.2	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	19.5	2.8	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	9.8	1.4	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-9.8	-1.4	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-19.5	-2.8	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-29.3	-4.2	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-39.0	-5.6	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-43.7	-12.5	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	83.9	30.6	114.5	-125.7	103.4 (2-Lane)
1.400	86.1	30.6	116.6	-127.8	105.5 (1-Lane)
1.500	45.0	48.2	93.2	-93.2	93.2 (2-Lane)

1.500	44.7	48.2	92.9	-92.9	92.9 (1-Lane)
1.600	83.9	30.6	114.5	-103.4	125.7 (2-Lane)
1.600	86.1	30.6	116.6	-105.5	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.54	2.63	0.00	105.2 (2-Lane)
1.051	251.98	3.02	0.00	120.7 (1-Lane)
1.100	91.63	2.81	0.00	112.2 (2-Lane)
1.100	105.16	3.22	0.00	128.8 (1-Lane)
1.200	28.35	2.90	0.00	116.0 (2-Lane)
1.200	32.54	3.33	0.00	133.1 (1-Lane)
1.300	17.72	4.25	0.00	169.9 (2-Lane)
1.300	20.34	4.88	0.00	195.0 (1-Lane)
1.400	7.65	3.39	0.00	135.6 (2-Lane)
1.400	8.92	3.97	0.00	158.8 (1-Lane)
1.500	4.26	4.26	0.00	170.4 (2-Lane)
1.500	4.87	4.87	0.00	194.9 (1-Lane)
1.600	3.39	7.65	0.00	135.6 (2-Lane)
1.600	3.97	8.92	0.00	158.8 (1-Lane)
1.700	4.25	17.72	0.00	169.9 (2-Lane)
1.700	4.88	20.34	0.00	195.0 (1-Lane)
1.800	2.90	28.35	0.00	116.0 (2-Lane)
1.800	3.33	32.54	0.00	133.1 (1-Lane)
1.900	2.99	92.20	0.00	119.7 (2-Lane)
1.900	3.43	105.82	0.00	137.4 (1-Lane)
1.949	2.18	220.28	0.00	87.4 (2-Lane)
1.949	2.51	252.82	0.00	100.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 876

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	LL	LL	LL	LL
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00
1.200	443.0	63.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00
1.300	581.4	82.9	543.56 R	0.00	408.69	0.00	406.44 R	0.00
1.400	664.5	94.8	570.95 R	0.00	429.29	0.00	426.92 R	0.00
1.500	692.1	98.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00
1.600	664.5	94.8	570.95 R	0.00	429.29	0.00	426.92 R	0.00
1.700	581.4	82.9	543.56 R	0.00	408.69	0.00	406.44 R	0.00
1.800	443.0	63.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00
1.900	249.2	35.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 877

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	889.2 (2-Lane)
1.100	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.200	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.300	9.99	999.00	9.99	999.00	0.00	399.8 (2-Lane)
1.300	13.37	999.00	13.37	999.00	0.00	534.7 (1-Lane)
1.400	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.400	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	350.6 (2-Lane)
1.500	11.72	999.00	11.72	999.00	0.00	468.8 (1-Lane)
1.600	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.600	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.700	9.99	999.00	9.99	999.00	0.00	399.8 (2-Lane)
1.700	13.37	999.00	13.37	999.00	0.00	534.7 (1-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.800	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	884.5 (2-Lane)
1.900	29.57	999.00	29.57	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	55.98	0.00	42.09	0.00	48.77	0.00	36.67	0.00
1.100	43.8	5.6	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	29.3	4.2	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	19.5	2.8	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	9.8	1.4	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-9.8	-1.4	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-19.5	-2.8	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.800	-29.3	-4.2	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90
1.900	-39.0	-5.6	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80
1.949	-43.7	-12.5	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-OPER

Rating Live Load:

3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	84.2	30.6	114.8	-126.0	103.7 (2-Lane)
1.400	85.5	30.6	116.1	-127.2	105.0 (1-Lane)
1.500	45.2	48.2	93.4	-93.4	93.4 (2-Lane)
1.500	44.5	48.2	92.7	-92.7	92.7 (1-Lane)
1.600	84.2	30.6	114.8	-103.7	126.0 (2-Lane)
1.600	85.5	30.6	116.1	-105.0	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-OPER

Rating Live Load:

3-3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	266.58	2.44	0.00	97.7 (2-Lane)
1.051	305.97	2.81	0.00	112.2 (1-Lane)
1.100	111.26	3.27	0.00	130.7 (2-Lane)
1.100	127.70	3.75	0.00	150.0 (1-Lane)
1.200	34.42	3.37	0.00	134.9 (2-Lane)
1.200	39.51	3.87	0.00	154.8 (1-Lane)
1.300	21.52	4.97	0.00	198.7 (2-Lane)
1.300	24.70	5.70	0.00	228.1 (1-Lane)
1.400	8.66	3.96	0.00	158.2 (2-Lane)
1.400	10.04	4.60	0.00	183.9 (1-Lane)
1.500	4.58	4.58	0.00	183.4 (2-Lane)
1.500	5.22	5.22	0.00	208.9 (1-Lane)
1.600	3.96	8.66	0.00	158.2 (2-Lane)
1.600	4.60	10.04	0.00	183.9 (1-Lane)
1.700	4.97	21.52	0.00	198.7 (2-Lane)
1.700	5.70	24.70	0.00	228.1 (1-Lane)
1.800	3.37	34.42	0.00	134.9 (2-Lane)
1.800	3.87	39.51	0.00	154.8 (1-Lane)
1.900	3.49	111.95	0.00	139.5 (2-Lane)
1.900	4.00	128.49	0.00	160.1 (1-Lane)
1.949	2.55	267.48	0.00	101.9 (2-Lane)
1.949	2.92	307.00	0.00	117.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	LL	LL	LL				
			1.35		1.35					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	63.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	82.9	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	94.8	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	98.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	94.8	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	82.9	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	63.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	35.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU4

Moment					Rating Value	Load Resistance (tons)
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.38	999.00	20.38	999.00	0.00	550.3 (2-Lane)
1.100	27.26	999.00	27.26	999.00	0.00	736.0 (1-Lane)
1.200	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.200	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.300	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.500	7.06	999.00	7.06	999.00	0.00	190.5 (2-Lane)
1.500	9.44	999.00	9.44	999.00	0.00	254.8 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.700	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.800	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.800	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.900	20.27	999.00	20.27	999.00	0.00	547.4 (2-Lane)
1.900	27.11	999.00	27.11	999.00	0.00	732.1 (1-Lane)

1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	59.76	0.00	44.93	52.06
1.100	43.8	5.6	56.28	0.00	42.31	49.03
1.200	29.3	4.2	49.12	0.00	36.93	42.80
1.300	19.5	2.8	41.97	0.00	31.55	36.57
1.400	9.8	1.4	34.81	0.00	26.17	30.33
1.500	0.0	0.0	27.66	0.00	20.79	24.10
1.600	-9.8	-1.4	-34.81	0.00	-26.17	-30.33
1.700	-19.5	-2.8	-41.97	0.00	-31.55	-36.57
1.800	-29.3	-4.2	-49.12	0.00	-36.93	-42.80
1.900	-39.0	-5.6	-56.28	0.00	-42.31	-49.03
1.949	-43.7	-12.5	-59.76	0.00	-44.93	-52.06
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU4

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	90.5	30.6	121.1	-132.2	109.9 (2-Lane)
1.400	92.6	30.6	123.2	-134.3	112.0 (1-Lane)
1.500	52.6	48.2	100.9	-100.9	100.9 (2-Lane)
1.500	52.4	48.2	100.6	-100.6	100.6 (1-Lane)
1.600	90.5	30.6	121.1	-109.9	132.2 (2-Lane)
1.600	92.6	30.6	123.2	-112.0	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.54	2.29	0.00	61.8 (2-Lane)
1.051	251.98	2.63	0.00	70.9 (1-Lane)
1.100	91.63	3.00	0.00	80.9 (2-Lane)
1.100	105.16	3.44	0.00	92.9 (1-Lane)

1.200	26.14	2.92	0.00	78.9 (2-Lane)
1.200	30.00	3.36	0.00	90.6 (1-Lane)
1.300	15.52	3.97	0.00	107.3 (2-Lane)
1.300	17.82	4.56	0.00	123.2 (1-Lane)
1.400	6.45	3.16	0.00	85.3 (2-Lane)
1.400	7.52	3.69	0.00	99.7 (1-Lane)
1.500	3.65	3.65	0.00	98.5 (2-Lane)
1.500	4.17	4.17	0.00	112.7 (1-Lane)
1.600	3.16	6.45	0.00	85.3 (2-Lane)
1.600	3.69	7.52	0.00	99.7 (1-Lane)
1.700	3.97	15.52	0.00	107.3 (2-Lane)
1.700	4.56	17.82	0.00	123.2 (1-Lane)
1.800	2.92	26.14	0.00	78.9 (2-Lane)
1.800	3.36	30.00	0.00	90.6 (1-Lane)
1.900	3.20	92.20	0.00	86.3 (2-Lane)
1.900	3.67	105.82	0.00	99.1 (1-Lane)
1.949	2.39	220.28	0.00	64.4 (2-Lane)
1.949	2.74	252.82	0.00	74.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	63.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	82.9	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	94.8	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	98.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	94.8	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	82.9	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	63.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	35.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 891

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU5

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.36	999.00	0.00	569.3 (2-Lane)
1.100	24.56	999.00	0.00	761.4 (1-Lane)
1.200	10.12	999.00	0.00	313.6 (2-Lane)
1.200	13.53	999.00	0.00	419.4 (1-Lane)
1.300	7.64	999.00	0.00	236.9 (2-Lane)
1.300	10.22	999.00	0.00	316.8 (1-Lane)
1.400	6.61	999.00	0.00	204.9 (2-Lane)
1.400	8.84	999.00	0.00	274.0 (1-Lane)
1.500	6.47	999.00	0.00	200.5 (2-Lane)
1.500	8.65	999.00	0.00	268.1 (1-Lane)
1.600	6.61	999.00	0.00	204.9 (2-Lane)
1.600	8.84	999.00	0.00	274.0 (1-Lane)
1.700	7.64	999.00	0.00	236.9 (2-Lane)
1.700	10.22	999.00	0.00	316.8 (1-Lane)
1.800	10.12	999.00	0.00	313.6 (2-Lane)
1.800	13.53	999.00	0.00	419.4 (1-Lane)
1.900	18.27	999.00	0.00	566.3 (2-Lane)
1.900	24.43	999.00	0.00	757.4 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 893

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	5.6	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.2	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	2.8	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.4	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.4	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-2.8	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.2	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-5.6	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-12.5	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.4	30.6	122.0	-133.1	110.9 (2-Lane)
1.400	93.9	30.6	124.5	-135.6	113.3 (1-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (2-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (1-Lane)
1.600	91.4	30.6	122.0	-110.9	133.1 (2-Lane)
1.600	93.9	30.6	124.5	-113.3	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)

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1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.54	2.06	0.00	63.8 (2-Lane)
1.051	251.98	2.36	0.00	73.2 (1-Lane)
1.100	91.63	2.70	0.00	83.7 (2-Lane)
1.100	105.16	3.10	0.00	96.1 (1-Lane)
1.200	26.14	2.65	0.00	82.1 (2-Lane)
1.200	30.00	3.04	0.00	94.2 (1-Lane)
1.300	14.52	3.62	0.00	112.4 (2-Lane)
1.300	16.67	4.16	0.00	129.0 (1-Lane)
1.400	6.23	2.93	0.00	90.9 (2-Lane)
1.400	7.28	3.44	0.00	106.7 (1-Lane)
1.500	3.44	3.44	0.00	106.7 (2-Lane)
1.500	3.95	3.95	0.00	122.4 (1-Lane)
1.600	2.93	6.23	0.00	90.9 (2-Lane)
1.600	3.44	7.28	0.00	106.7 (1-Lane)
1.700	3.62	14.52	0.00	112.4 (2-Lane)
1.700	4.16	16.67	0.00	129.0 (1-Lane)
1.800	2.65	26.14	0.00	82.1 (2-Lane)
1.800	3.04	30.00	0.00	94.2 (1-Lane)
1.900	2.88	92.20	0.00	89.3 (2-Lane)
1.900	3.31	105.82	0.00	102.5 (1-Lane)
1.949	2.15	220.28	0.00	66.5 (2-Lane)
1.949	2.46	252.82	0.00	76.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	335.78 R	0.00	251.08 R	0.00
1.200	443.0	63.2	605.79 R	0.00	452.97 R	0.00
1.300	581.4	82.9	786.98 R	0.00	588.45 R	0.00
1.400	664.5	94.8	887.65 R	0.00	663.73 R	0.00
1.500	692.1	98.7	914.24 R	0.00	683.61 R	0.00
1.600	664.5	94.8	887.65 R	0.00	663.73 R	0.00
1.700	581.4	82.9	786.98 R	0.00	588.45 R	0.00
1.800	443.0	63.2	605.79 R	0.00	452.97 R	0.00
1.900	249.2	35.5	335.78 R	0.00	251.07 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU6

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	17.40	999.00	17.40	999.00	604.7 (2-Lane)
1.100	23.27	999.00	23.27	999.00	808.7 (1-Lane)
1.200	9.23	999.00	9.23	999.00	320.7 (2-Lane)
1.200	12.34	999.00	12.34	999.00	428.9 (1-Lane)
1.300	6.90	999.00	6.90	999.00	239.9 (2-Lane)
1.300	9.23	999.00	9.23	999.00	320.8 (1-Lane)
1.400	6.01	999.00	6.01	999.00	209.0 (2-Lane)
1.400	8.04	999.00	8.04	999.00	279.5 (1-Lane)
1.500	5.80	999.00	5.80	999.00	201.7 (2-Lane)
1.500	7.76	999.00	7.76	999.00	269.7 (1-Lane)
1.600	6.01	999.00	6.01	999.00	209.0 (2-Lane)
1.600	8.04	999.00	8.04	999.00	279.5 (1-Lane)
1.700	6.90	999.00	6.90	999.00	239.9 (2-Lane)
1.700	9.23	999.00	9.23	999.00	320.8 (1-Lane)
1.800	9.23	999.00	9.23	999.00	320.7 (2-Lane)
1.800	12.34	999.00	12.34	999.00	428.9 (1-Lane)
1.900	17.31	999.00	17.31	999.00	601.5 (2-Lane)
1.900	23.15	999.00	23.15	999.00	804.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 900

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU6

Span	Gamma		(2-Lane)		(1-Lane)	
	DC 1.25	DW 1.25	LL 1.35	LL 1.35	LL 1.35	LL 1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	70.40	0.00	61.33	0.00
1.100	43.8	5.6	65.92	0.00	57.43	0.00
1.200	29.3	4.2	56.71	0.00	49.41	0.00
1.300	19.5	2.8	47.50	0.00	41.39	0.00
1.400	9.8	1.4	38.29	0.00	33.36	0.00
1.500	0.0	0.0	29.08	0.00	25.34	0.00
1.600	-9.8	-1.4	-38.29	0.00	-33.36	0.00
1.700	-19.5	-2.8	-47.50	0.00	-41.39	0.00
1.800	-29.3	-4.2	-56.71	0.00	-49.41	0.00
1.900	-39.0	-5.6	-65.92	0.00	-57.43	0.00
1.949	-43.7	-12.5	-70.40	0.00	-61.33	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU6

	Vc	Shear Vs	Resistance Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.4	108.1 (2-Lane)
1.400	91.5	30.6	122.1	-133.2	110.9 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	51.0	48.2	99.2	-99.2	99.2 (1-Lane)
1.600	88.6	30.6	119.2	-108.1	130.4 (2-Lane)
1.600	91.5	30.6	122.1	-110.9	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU6

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.54	1.94	0.00	67.5 (2-Lane)
1.051	372.48	2.23	0.00	77.5 (1-Lane)
1.100	154.94	2.56	0.00	88.9 (2-Lane)
1.100	177.83	2.94	0.00	102.0 (1-Lane)
1.200	33.03	2.53	0.00	88.0 (2-Lane)
1.200	37.92	2.91	0.00	101.0 (1-Lane)
1.300	16.17	3.51	0.00	122.0 (2-Lane)
1.300	18.56	4.03	0.00	140.1 (1-Lane)
1.400	6.28	2.82	0.00	98.1 (2-Lane)
1.400	7.37	3.33	0.00	115.5 (1-Lane)
1.500	3.40	3.40	0.00	118.2 (2-Lane)
1.500	3.91	3.91	0.00	136.0 (1-Lane)
1.600	2.82	6.28	0.00	98.1 (2-Lane)
1.600	3.33	7.37	0.00	115.5 (1-Lane)
1.700	3.51	16.17	0.00	122.0 (2-Lane)
1.700	4.03	18.56	0.00	140.1 (1-Lane)
1.800	2.53	33.03	0.00	88.0 (2-Lane)
1.800	2.91	37.92	0.00	101.0 (1-Lane)
1.900	2.73	155.90	0.00	94.9 (2-Lane)
1.900	3.13	178.93	0.00	108.9 (1-Lane)
1.949	2.03	325.63	0.00	70.4 (2-Lane)
1.949	2.33	373.74	0.00	80.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 904

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type:		I-OPER									
Rating Live Load:		SU7									
Gamma	DC	DW	(2-Lane)				(1-Lane)				
	1.25	1.25	LL		LL		LL		LL		
			1.35				1.35				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
1.100	218.4	35.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00	
1.200	443.0	63.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00	
1.300	581.4	82.9	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00	
1.400	664.5	94.8	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00	
1.500	692.1	98.7	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00	
1.600	664.5	94.8	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00	
1.700	581.4	82.9	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00	
1.800	443.0	63.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00	
1.900	249.2	35.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00	
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.63	999.00	16.63	999.00	0.00	644.4 (2-Lane)
1.100	22.24	999.00	22.24	999.00	0.00	861.9 (1-Lane)
1.200	8.82	999.00	8.82	999.00	0.00	341.9 (2-Lane)
1.200	11.80	999.00	11.80	999.00	0.00	457.2 (1-Lane)
1.300	6.41	999.00	6.41	999.00	0.00	248.5 (2-Lane)
1.300	8.58	999.00	8.58	999.00	0.00	332.3 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	215.8 (2-Lane)
1.400	7.45	999.00	7.45	999.00	0.00	288.7 (1-Lane)
1.500	5.35	999.00	5.35	999.00	0.00	207.2 (2-Lane)
1.500	7.15	999.00	7.15	999.00	0.00	277.1 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	215.8 (2-Lane)
1.600	7.45	999.00	7.45	999.00	0.00	288.7 (1-Lane)
1.700	6.41	999.00	6.41	999.00	0.00	248.5 (2-Lane)
1.700	8.58	999.00	8.58	999.00	0.00	332.3 (1-Lane)
1.800	8.82	999.00	8.82	999.00	0.00	341.9 (2-Lane)
1.800	11.80	999.00	11.80	999.00	0.00	457.2 (1-Lane)
1.900	16.54	999.00	16.54	999.00	0.00	641.0 (2-Lane)
1.900	22.12	999.00	22.12	999.00	0.00	857.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.35 LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	5.6	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.2	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	2.8	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.4	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-12.5	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU7

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	85.7	30.6	116.2	-127.4	105.1 (2-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (1-Lane)
1.500	48.1	48.2	96.3	-96.3	96.3 (2-Lane)
1.500	48.5	48.2	96.8	-96.8	96.8 (1-Lane)
1.600	85.7	30.6	116.2	-105.1	127.4 (2-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-OPER
Rating Live Load: SU7

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.54	1.85	0.00	71.7 (2-Lane)
1.051	372.48	2.12	0.00	82.3 (1-Lane)
1.100	175.48	2.44	0.00	94.7 (2-Lane)
1.100	201.41	2.81	0.00	108.7 (1-Lane)
1.200	43.61	2.45	0.00	94.8 (2-Lane)
1.200	50.06	2.81	0.00	108.8 (1-Lane)

1.300	18.56	3.44	0.00	133.5 (2-Lane)
1.300	21.30	3.95	0.00	153.2 (1-Lane)
1.400	6.51	2.75	0.00	106.7 (2-Lane)
1.400	7.65	3.25	0.00	126.1 (1-Lane)
1.500	3.40	3.40	0.00	131.7 (2-Lane)
1.500	3.92	3.92	0.00	152.0 (1-Lane)
1.600	2.75	6.51	0.00	106.7 (2-Lane)
1.600	3.26	7.65	0.00	126.1 (1-Lane)
1.700	3.44	18.56	0.00	133.5 (2-Lane)
1.700	3.95	21.30	0.00	153.2 (1-Lane)
1.800	2.45	43.61	0.00	94.8 (2-Lane)
1.800	2.81	50.06	0.00	108.8 (1-Lane)
1.900	2.61	176.58	0.00	101.1 (2-Lane)
1.900	2.99	202.66	0.00	116.0 (1-Lane)
1.949	1.93	325.63	0.00	74.7 (2-Lane)
1.949	2.21	373.74	0.00	85.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 911

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	346.03 R	260.17	258.74 R	194.54
1.200	443.0	63.2	602.06 R	452.67	450.18 R	338.48
1.300	581.4	82.9	768.09 R	577.51	574.33 R	431.83
1.400	664.5	94.8	863.15 R	648.98	645.41 R	485.27
1.500	692.1	98.7	880.89 R	662.32	658.67 R	495.24
1.600	664.5	94.8	863.15 R	648.98	645.41 R	485.27
1.700	581.4	82.9	768.09 R	577.51	574.33 R	431.83
1.800	443.0	63.2	602.06 R	452.67	450.18 R	338.48
1.900	249.2	35.5	346.03 R	260.17	258.74 R	194.54
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Bending Bott.	Available Resistance for LL+I Negative Bending Top	Available Resistance for LL+I Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	Rating top fiber +bend	Factor -bend	bottom fiber +bend	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.89	999.00	16.89	999.00	0.00	422.1 (2-Lane)
1.100	22.58	999.00	22.58	999.00	0.00	564.6 (1-Lane)
1.200	9.29	999.00	9.29	999.00	0.00	232.2 (2-Lane)
1.200	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.300	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.300	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.400	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.400	8.27	999.00	8.27	999.00	0.00	206.8 (1-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	150.6 (2-Lane)
1.500	8.06	999.00	8.06	999.00	0.00	201.4 (1-Lane)
1.600	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.600	8.27	999.00	8.27	999.00	0.00	206.8 (1-Lane)
1.700	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.700	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.800	9.29	999.00	9.29	999.00	0.00	232.2 (2-Lane)
1.800	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.900	16.80	999.00	16.80	999.00	0.00	419.9 (2-Lane)
1.900	22.46	999.00	22.46	999.00	0.00	561.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	72.22	54.30	62.93	47.31
1.100	43.8	5.6	67.93	51.08	59.19	44.50
1.200	29.3	4.2	59.10	44.43	51.49	38.71
1.300	19.5	2.8	50.26	37.79	43.79	32.93
1.400	9.8	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-5.6	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-12.5	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.0	30.6	124.6	-135.8	113.5 (2-Lane)
1.400	96.8	30.6	127.4	-138.5	116.3 (1-Lane)
1.500	56.1	48.2	104.4	-104.4	104.4 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	94.0	30.6	124.6	-113.5	135.8 (2-Lane)
1.600	96.8	30.6	127.4	-116.3	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)

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1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.65	1.89	0.00	47.4 (2-Lane)
1.051	188.98	2.17	0.00	54.3 (1-Lane)
1.100	68.72	2.48	0.00	62.1 (2-Lane)
1.100	78.87	2.85	0.00	71.2 (1-Lane)
1.200	21.26	2.43	0.00	60.7 (2-Lane)
1.200	24.40	2.79	0.00	69.7 (1-Lane)
1.300	13.29	3.32	0.00	83.0 (2-Lane)
1.300	15.25	3.81	0.00	95.2 (1-Lane)
1.400	5.71	2.74	0.00	68.5 (2-Lane)
1.400	6.69	3.22	0.00	80.5 (1-Lane)
1.500	3.20	3.20	0.00	80.0 (2-Lane)
1.500	3.68	3.68	0.00	92.1 (1-Lane)
1.600	2.74	5.71	0.00	68.5 (2-Lane)
1.600	3.22	6.69	0.00	80.5 (1-Lane)
1.700	3.32	13.29	0.00	83.0 (2-Lane)
1.700	3.81	15.25	0.00	95.2 (1-Lane)
1.800	2.43	21.26	0.00	60.7 (2-Lane)
1.800	2.79	24.40	0.00	69.7 (1-Lane)
1.900	2.65	69.15	0.00	66.2 (2-Lane)
1.900	3.04	79.36	0.00	76.0 (1-Lane)
1.949	1.98	165.21	0.00	49.4 (2-Lane)
1.949	2.27	189.62	0.00	56.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	153.79 R	115.63	114.99 R	86.46
1.200	443.0	63.2	267.58 R	201.19	200.08 R	150.44
1.300	581.4	82.9	341.37 R	256.67	255.26 R	191.92
1.400	664.5	94.8	383.62 R	288.44	286.85 R	215.67
1.500	692.1	98.7	391.51 R	294.36	292.74 R	220.11
1.600	664.5	94.8	383.62 R	288.44	286.85 R	215.67
1.700	581.4	82.9	341.37 R	256.67	255.26 R	191.92
1.800	443.0	63.2	267.58 R	201.19	200.08 R	150.44
1.900	249.2	35.5	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL S

Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.72	999.00	29.45	999.00	0.00	736.3 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.68	999.00	15.41	999.00	0.00	385.2 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.15	999.00	11.31	999.00	0.00	282.8 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.4 (1-Lane)
1.500	22.88	999.00	6.97	999.00	0.00	174.4 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.2 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.4 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.15	999.00	11.31	999.00	0.00	282.8 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.68	999.00	15.41	999.00	0.00	385.2 (1-Lane)
1.900	71.92	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.18	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL 1.80	(1-Lane) LL 1.80
	1.25	1.25		

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	35.5	408.35 R		307.03	305.33 R		229.57		
1.200	443.0	63.2	672.70 R		505.79	503.00 R		378.19		
1.300	581.4	82.9	880.54 R		662.06	658.41 R		495.04		
1.400	664.5	94.8	974.81 R		732.94	728.90 R		548.05		
1.500	692.1	98.7	956.79 R		719.39	715.43 R		537.91		
1.600	664.5	94.8	974.81 R		732.94	728.90 R		548.05		
1.700	581.4	82.9	880.54 R		662.06	658.41 R		495.04		
1.800	443.0	63.2	672.70 R		505.79	503.00 R		378.19		
1.900	249.2	35.5	408.35 R		307.03	305.33 R		229.57		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Bending Bott.	Resistance Negative Top	LL+I Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.31	999.00	14.31	999.00	0.00	572.4 (2-Lane)
1.100	19.14	999.00	19.14	999.00	0.00	765.5 (1-Lane)
1.200	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.200	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.300	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.300	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.400	5.48	999.00	5.48	999.00	0.00	219.0 (2-Lane)
1.400	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.500	5.55	999.00	5.55	999.00	0.00	221.8 (2-Lane)
1.500	7.42	999.00	7.42	999.00	0.00	296.7 (1-Lane)
1.600	5.48	999.00	5.48	999.00	0.00	219.0 (2-Lane)
1.600	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.700	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.700	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.800	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.800	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.900	14.23	999.00	14.23	999.00	0.00	569.3 (2-Lane)
1.900	19.03	999.00	19.03	999.00	0.00	761.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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9999999_20120831cy17_FlexuralRpt.txt						
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	69.38	52.16	60.45	45.45
1.100	43.8	5.6	80.16	60.27	69.85	52.52
1.200	29.3	4.2	66.03	49.65	57.53	43.26
1.300	19.5	2.8	52.36	39.37	45.62	34.30
1.400	9.8	1.4	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-9.8	-1.4	-40.67	-30.58	-35.43	-26.64
1.700	-19.5	-2.8	-52.36	-39.37	-45.62	-34.30
1.800	-29.3	-4.2	-66.03	-49.65	-57.53	-43.26
1.900	-39.0	-5.6	-80.16	-60.27	-69.85	-52.52
1.949	-43.7	-12.5	-87.03	-65.44	-75.83	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-LEGL

Rating Live Load:

3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.3	30.6	118.9	-130.0	107.8 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (1-Lane)
1.600	88.3	30.6	118.9	-107.8	130.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G05

Rating Type:

I-LEGL

Rating Live Load:

3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.65	1.97	0.00	78.9 (2-Lane)
1.051	188.98	2.26	0.00	90.5 (1-Lane)
1.100	68.72	2.10	0.00	84.1 (2-Lane)
1.100	78.87	2.41	0.00	96.6 (1-Lane)
1.200	21.26	2.17	0.00	87.0 (2-Lane)
1.200	24.40	2.50	0.00	99.8 (1-Lane)
1.300	13.29	3.19	0.00	127.4 (2-Lane)
1.300	15.25	3.66	0.00	146.3 (1-Lane)
1.400	5.93	2.65	0.00	106.0 (2-Lane)
1.400	6.98	3.13	0.00	125.3 (1-Lane)
1.500	3.36	3.36	0.00	134.5 (2-Lane)
1.500	3.87	3.87	0.00	155.0 (1-Lane)
1.600	2.65	5.93	0.00	106.0 (2-Lane)
1.600	3.13	6.98	0.00	125.3 (1-Lane)
1.700	3.19	13.29	0.00	127.4 (2-Lane)
1.700	3.66	15.25	0.00	146.3 (1-Lane)
1.800	2.17	21.26	0.00	87.0 (2-Lane)
1.800	2.50	24.40	0.00	99.8 (1-Lane)
1.900	2.24	69.15	0.00	89.8 (2-Lane)
1.900	2.58	79.36	0.00	103.1 (1-Lane)
1.949	1.64	165.21	0.00	65.5 (2-Lane)
1.949	1.88	189.62	0.00	75.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	(1-Lane)
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	0.00
1.100	218.4	35.5	181.49 R	136.46	135.70 R		102.03	102.03
1.200	443.0	63.2	298.98 R	224.79	223.56 R		168.09	168.09
1.300	581.4	82.9	391.35 R	294.25	292.63 R		220.02	220.02
1.400	664.5	94.8	433.25 R	325.75	323.96 R		243.58	243.58
1.500	692.1	98.7	425.24 R	319.73	317.97 R		239.07	239.07
1.600	664.5	94.8	433.25 R	325.75	323.96 R		243.58	243.58
1.700	581.4	82.9	391.35 R	294.25	292.63 R		220.02	220.02
1.800	443.0	63.2	298.98 R	224.79	223.55 R		168.09	168.09
1.900	249.2	35.5	181.49 R	136.46	135.70 R		102.03	102.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 925

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.96	999.00	24.96	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.6 (1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.1 (2-Lane)
1.300	32.40	999.00	9.87	999.00	0.00	394.6 (1-Lane)
1.400	20.98	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	342.0 (1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8 (2-Lane)
1.500	28.17	999.00	8.59	999.00	0.00	343.5 (1-Lane)

1.600	20.98	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	342.0 (1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.1 (2-Lane)
1.700	32.40	999.00	9.87	999.00	0.00	394.6 (1-Lane)
1.800	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00	551.6 (1-Lane)
1.900	60.94	999.00	18.50	999.00	0.00	739.8 (2-Lane)
1.900	81.50	999.00	24.74	999.00	0.00	989.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	218.4	35.5	350.45 R		263.50	262.05 R			197.03	
1.200	443.0	63.2	578.51 R		434.97	432.57 R			325.24	
1.300	581.4	82.9	724.75 R		544.92	541.92 R			407.46	
1.400	664.5	94.8	761.27 R		572.38	569.23 R			427.99	
1.500	692.1	98.7	807.25 R		606.96	603.61 R			453.84	
1.600	664.5	94.8	761.27 R		572.38	569.23 R			427.99	
1.700	581.4	82.9	724.75 R		544.92	541.92 R			407.46	
1.800	443.0	63.2	578.51 R		434.97	432.57 R			325.24	
1.900	249.2	35.5	350.45 R		263.50	262.05 R			197.03	
1.949	128.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 928

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 929

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.100	16.67	999.00	16.67	999.00	0.00	666.9 (2-Lane)
1.100	22.30	999.00	22.30	999.00	0.00	891.9 (1-Lane)
1.200	9.66	999.00	9.66	999.00	0.00	386.6 (2-Lane)
1.200	12.92	999.00	12.92	999.00	0.00	517.0 (1-Lane)
1.300	7.50	999.00	7.50	999.00	0.00	299.8 (2-Lane)
1.300	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.400	7.01	999.00	7.01	999.00	0.00	280.5 (2-Lane)
1.400	9.38	999.00	9.38	999.00	0.00	375.1 (1-Lane)
1.500	6.57	999.00	6.57	999.00	0.00	262.9 (2-Lane)
1.500	8.79	999.00	8.79	999.00	0.00	351.6 (1-Lane)
1.600	7.01	999.00	7.01	999.00	0.00	280.5 (2-Lane)
1.600	9.38	999.00	9.38	999.00	0.00	375.1 (1-Lane)
1.700	7.50	999.00	7.50	999.00	0.00	299.8 (2-Lane)
1.700	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.800	9.66	999.00	9.66	999.00	0.00	386.6 (2-Lane)
1.800	12.92	999.00	12.92	999.00	0.00	517.0 (1-Lane)
1.900	16.58	999.00	16.58	999.00	0.00	663.4 (2-Lane)
1.900	22.18	999.00	22.18	999.00	0.00	887.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 930

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3-3

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.80		1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	74.64	56.12	65.03	48.90	48.90
1.100	43.8	5.6	68.80	51.73	59.94	45.07	45.07
1.200	29.3	4.2	56.79	42.70	49.48	37.20	37.20
1.300	19.5	2.8	44.77	33.66	39.01	29.33	29.33
1.400	9.8	1.4	34.94	26.27	30.45	22.89	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80	17.80
1.600	-9.8	-1.4	-34.94	-26.27	-30.45	-22.89	-22.89
1.700	-19.5	-2.8	-44.77	-33.66	-39.01	-29.33	-29.33
1.800	-29.3	-4.2	-56.79	-42.70	-49.48	-37.20	-37.20
1.900	-39.0	-5.6	-68.80	-51.73	-59.94	-45.07	-45.07
1.949	-43.7	-12.5	-74.64	-56.12	-65.03	-48.90	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.3	30.6	119.9	-131.0	108.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	50.5	48.2	98.8	-98.8	98.8 (2-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (1-Lane)
1.600	89.3	30.6	119.9	-108.7	131.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	199.94	1.83	0.00	73.3 (2-Lane)
1.051	229.48	2.10	0.00	84.1 (1-Lane)
1.100	83.44	2.45	0.00	98.0 (2-Lane)
1.100	95.77	2.81	0.00	112.5 (1-Lane)
1.200	25.82	2.53	0.00	101.2 (2-Lane)
1.200	29.63	2.90	0.00	116.1 (1-Lane)
1.300	16.14	3.73	0.00	149.0 (2-Lane)
1.300	18.52	4.28	0.00	171.1 (1-Lane)
1.400	6.76	3.11	0.00	124.5 (2-Lane)
1.400	7.89	3.64	0.00	145.8 (1-Lane)
1.500	3.64	3.64	0.00	145.4 (2-Lane)
1.500	4.17	4.17	0.00	166.8 (1-Lane)
1.600	3.11	6.76	0.00	124.5 (2-Lane)
1.600	3.65	7.89	0.00	145.8 (1-Lane)
1.700	3.73	16.14	0.00	149.0 (2-Lane)
1.700	4.28	18.52	0.00	171.1 (1-Lane)
1.800	2.53	25.82	0.00	101.2 (2-Lane)
1.800	2.90	29.63	0.00	116.1 (1-Lane)
1.900	2.62	83.96	0.00	104.6 (2-Lane)
1.900	3.00	96.37	0.00	120.1 (1-Lane)
1.949	1.91	200.61	0.00	76.4 (2-Lane)
1.949	2.19	230.25	0.00	87.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 933

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	155.76 R	117.11	116.46 R	87.57
1.200	443.0	63.2	257.12 R	193.32	192.25 R	144.55
1.300	581.4	82.9	322.11 R	242.19	240.85 R	181.09
1.400	664.5	94.8	338.34 R	254.39	252.99 R	190.22
1.500	692.1	98.7	358.78 R	269.76	268.27 R	201.71
1.600	664.5	94.8	338.34 R	254.39	252.99 R	190.22
1.700	581.4	82.9	322.11 R	242.19	240.85 R	181.09
1.800	443.0	63.2	257.12 R	193.32	192.25 R	144.55
1.900	249.2	35.5	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 933

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4

1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL S

Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.50	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	11.99	999.00	0.00	479.6 (2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.4 (1-Lane)
1.300	29.44	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.300	39.37	999.00	11.99	999.00	0.00	479.5 (1-Lane)
1.400	26.86	999.00	8.19	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.9 (1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.1 (1-Lane)
1.600	26.86	999.00	8.19	999.00	0.00	327.4 (2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.9 (1-Lane)
1.700	29.44	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.700	39.37	999.00	11.99	999.00	0.00	479.5 (1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.6 (2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.4 (1-Lane)
1.900	71.01	999.00	21.55	999.00	0.00	862.0 (2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	35.5	339.76 R		255.46	254.05 R		191.01		
1.200	443.0	63.2	593.12 R		445.96	443.50 R		333.46		
1.300	581.4	82.9	760.09 R		571.49	568.34 R		427.33		
1.400	664.5	94.8	866.58 R		651.56	647.97 R		487.20		
1.500	692.1	98.7	891.18 R		670.06	666.37 R		501.03		
1.600	664.5	94.8	866.58 R		651.56	647.97 R		487.20		
1.700	581.4	82.9	760.09 R		571.49	568.34 R		427.33		
1.800	443.0	63.2	593.12 R		445.96	443.50 R		333.46		
1.900	249.2	35.5	339.76 R		255.46	254.05 R		191.01		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-LEGL
 Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-LEGL
 Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.20	999.00	17.20	999.00	0.00	464.3 (2-Lane)
1.100	23.00	999.00	23.00	999.00	0.00	621.0 (1-Lane)
1.200	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.200	12.61	999.00	12.61	999.00	0.00	340.4 (1-Lane)
1.300	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.300	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.400	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.500	5.95	999.00	5.95	999.00	0.00	160.8 (2-Lane)
1.500	7.96	999.00	7.96	999.00	0.00	215.0 (1-Lane)
1.600	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.700	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.700	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.800	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.800	12.61	999.00	12.61	999.00	0.00	340.4 (1-Lane)
1.900	17.11	999.00	17.11	999.00	0.00	461.9 (2-Lane)
1.900	22.88	999.00	22.88	999.00	0.00	617.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
 Rating Type: I-LEGL
 Rating Live Load: SU4

Span	DC		DW		(2-Lane)		(1-Lane)	
	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.2	70.82	53.25	61.71	46.40	43.69	38.14
1.100	43.8	5.6	66.70	50.15	58.11	43.69	32.58	27.03
1.200	29.3	4.2	58.22	43.77	50.73	38.14	21.47	-27.03
1.300	19.5	2.8	49.74	37.40	43.34	32.58	21.47	-27.03
1.400	9.8	1.4	41.26	31.02	35.95	27.03	21.47	-27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47	21.47	-27.03
1.600	-9.8	-1.4	-41.26	-31.02	-35.95	-27.03	-27.03	-27.03

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1.700	-19.5	-2.8	-49.74	-37.40	-43.34
1.800	-29.3	-4.2	-58.22	-43.77	-50.73
1.900	-39.0	-5.6	-66.70	-50.15	-58.11
1.949	-43.7	-12.5	-70.82	-53.25	-61.71
2.000	-48.8	0.0	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 939

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.6	30.6	124.2	-135.4	113.1 (2-Lane)
1.400	96.4	30.6	127.0	-138.2	115.9 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.6	30.6	124.2	-113.1	135.4 (2-Lane)
1.600	96.4	30.6	127.0	-115.9	138.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05
Rating Type: I-LEGL
Rating Live Load: SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.24	1.93	0.00	52.2 (2-Lane)
1.051	212.60	2.22	0.00	59.9 (1-Lane)
1.100	77.31	2.53	0.00	68.3 (2-Lane)
1.100	88.73	2.90	0.00	78.3 (1-Lane)
1.200	22.06	2.47	0.00	66.6 (2-Lane)
1.200	25.32	2.83	0.00	76.4 (1-Lane)
1.300	13.10	3.35	0.00	90.6 (2-Lane)
1.300	15.03	3.85	0.00	103.9 (1-Lane)
1.400	5.57	2.74	0.00	74.0 (2-Lane)
1.400	6.53	3.22	0.00	87.0 (1-Lane)
1.500	3.18	3.18	0.00	85.9 (2-Lane)
1.500	3.66	3.66	0.00	98.9 (1-Lane)
1.600	2.74	5.57	0.00	74.0 (2-Lane)
1.600	3.22	6.53	0.00	87.0 (1-Lane)
1.700	3.35	13.10	0.00	90.6 (2-Lane)
1.700	3.85	15.03	0.00	103.9 (1-Lane)
1.800	2.47	22.06	0.00	66.6 (2-Lane)
1.800	2.83	25.32	0.00	76.4 (1-Lane)
1.900	2.70	77.79	0.00	72.8 (2-Lane)
1.900	3.10	89.28	0.00	83.6 (1-Lane)
1.949	2.01	185.86	0.00	54.4 (2-Lane)
1.949	2.31	213.32	0.00	62.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	169.88 R	127.73	127.02 R	95.51
1.200	443.0	63.2	296.56 R	222.98	221.75 R	166.73
1.300	581.4	82.9	380.04 R	285.75	284.17 R	213.66
1.400	664.5	94.8	433.29 R	325.78	323.99 R	243.60
1.500	692.1	98.7	445.59 R	335.03	333.18 R	250.51
1.600	664.5	94.8	433.29 R	325.78	323.99 R	243.60
1.700	581.4	82.9	380.04 R	285.75	284.17 R	213.66
1.800	443.0	63.2	296.56 R	222.98	221.75 R	166.73
1.900	249.2	35.5	169.88 R	127.73	127.02 R	95.51
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.94	999.00	0.00	538.3 (2-Lane)
1.100	87.56	999.00	26.66	999.00	0.00	719.9 (1-Lane)
1.200	34.19	999.00	10.40	999.00	0.00	280.7 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.60	999.00	0.00	205.1 (2-Lane)
1.300	33.37	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.3 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.60	999.00	0.00	205.1 (2-Lane)
1.700	33.37	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.40	999.00	0.00	280.7 (2-Lane)

1.800	45.72	999.00	13.90	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00 533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00 713.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	377.07 R	283.51	281.95 R	211.99
1.200	443.0	63.2	654.95 R	492.44	489.73 R	368.21
1.300	581.4	82.9	842.64 R	633.56	630.07 R	473.74
1.400	664.5	94.8	957.06 R	719.59	715.63 R	538.07
1.500	692.1	98.7	972.29 R	731.04	727.01 R	546.62
1.600	664.5	94.8	957.06 R	719.59	715.63 R	538.07
1.700	581.4	82.9	842.64 R	633.56	630.07 R	473.74
1.800	443.0	63.2	654.95 R	492.44	489.73 R	368.21
1.900	249.2	35.5	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU5

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.50	999.00	15.50	999.00	0.00	480.4 (2-Lane)
1.100	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.200	11.42	999.00	11.42	999.00	0.00	353.9 (1-Lane)
1.300	6.45	999.00	6.45	999.00	0.00	199.9 (2-Lane)
1.300	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)

1.400	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.400	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.500	5.46	999.00	5.46	999.00	0.00	169.2 (2-Lane)
1.500	7.30	999.00	7.30	999.00	0.00	226.3 (1-Lane)
1.600	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.600	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.700	6.45	999.00	6.45	999.00	0.00	199.9 (2-Lane)
1.700	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.800	11.42	999.00	11.42	999.00	0.00	353.9 (1-Lane)
1.900	15.41	999.00	15.41	999.00	0.00	477.8 (2-Lane)
1.900	20.61	999.00	20.61	999.00	0.00	639.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	78.76	59.22	68.62	51.59
1.100	43.8	5.6	74.03	55.66	64.50	48.49
1.200	29.3	4.2	64.29	48.34	56.01	42.11
1.300	19.5	2.8	54.55	41.02	47.53	35.74
1.400	9.8	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-5.6	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-12.5	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.5	30.6	125.1	-136.2	113.9 (2-Lane)
1.400	97.7	30.6	128.3	-139.4	117.2 (1-Lane)
1.500	57.0	48.2	105.2	-105.2	105.2 (2-Lane)
1.500	57.5	48.2	105.8	-105.8	105.8 (1-Lane)
1.600	94.5	30.6	125.1	-113.9	136.2 (2-Lane)
1.600	97.7	30.6	128.3	-117.2	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
 Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.24	1.74	0.00	53.8 (2-Lane)
1.051	212.60	1.99	0.00	61.8 (1-Lane)
1.100	77.31	2.28	0.00	70.6 (2-Lane)
1.100	88.73	2.62	0.00	81.1 (1-Lane)
1.200	22.06	2.23	0.00	69.2 (2-Lane)
1.200	25.32	2.56	0.00	79.5 (1-Lane)
1.300	12.25	3.06	0.00	94.8 (2-Lane)
1.300	14.06	3.51	0.00	108.8 (1-Lane)
1.400	5.38	2.54	0.00	78.8 (2-Lane)
1.400	6.32	3.00	0.00	93.0 (1-Lane)
1.500	3.00	3.00	0.00	93.0 (2-Lane)
1.500	3.46	3.46	0.00	107.3 (1-Lane)
1.600	2.54	5.38	0.00	78.8 (2-Lane)
1.600	3.00	6.32	0.00	93.0 (1-Lane)
1.700	3.06	12.25	0.00	94.8 (2-Lane)
1.700	3.51	14.06	0.00	108.8 (1-Lane)
1.800	2.23	22.06	0.00	69.2 (2-Lane)
1.800	2.56	25.32	0.00	79.5 (1-Lane)
1.900	2.43	77.79	0.00	75.4 (2-Lane)
1.900	2.79	89.28	0.00	86.5 (1-Lane)
1.949	1.81	185.86	0.00	56.1 (2-Lane)
1.949	2.08	213.32	0.00	64.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG
 Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	188.54 R	141.76	140.97 R	106.00
1.200	443.0	63.2	327.47 R	246.22	244.86 R	184.11
1.300	581.4	82.9	421.32 R	316.78	315.04 R	236.87
1.400	664.5	94.8	478.53 R	359.80	357.81 R	269.03
1.500	692.1	98.7	486.14 R	365.52	363.51 R	273.31
1.600	664.5	94.8	478.53 R	359.80	357.81 R	269.03
1.700	581.4	82.9	421.32 R	316.78	315.04 R	236.87
1.800	443.0	63.2	327.47 R	246.22	244.86 R	184.11
1.900	249.2	35.5	188.54 R	141.76	140.97 R	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: SU5
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5

1.949 4.5 4.0 -4.5 -4.0 4.4 3.9 -4.7 -4.2
2.000 4.4 4.0 -4.4 -4.0 4.4 4.0 -4.4 -4.0

9999999_20120831cy17_FlexuralRpt.txt

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.9 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.41	999.00	12.59	999.00	0.00	390.3 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.10	999.00	9.16	999.00	0.00	284.1 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.40	999.00	7.74	999.00	0.00	240.0 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.64	999.00	7.51	999.00	0.00	232.9 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.40	999.00	7.74	999.00	0.00	240.0 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.10	999.00	9.16	999.00	0.00	284.1 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.800	41.41	999.00	12.59	999.00	0.00	390.3 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	397.96 R	299.22	297.57 R	223.74
1.200	443.0	63.2	717.98 R	539.83	536.86 R	403.65
1.300	581.4	82.9	932.71 R	701.29	697.42 R	524.38
1.400	664.5	94.8	1052.03 R	791.00	786.64 R	591.46
1.500	692.1	98.7	1083.54 R	814.69	810.20 R	609.17
1.600	664.5	94.8	1052.03 R	791.00	786.64 R	591.46
1.700	581.4	82.9	932.71 R	701.29	697.42 R	524.38
1.800	443.0	63.2	717.98 R	539.83	536.86 R	403.65
1.900	249.2	35.5	397.96 R	299.22	297.57 R	223.74
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Resistance	Available Resistance for LL+I
		Page 384

	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.68	999.00	14.68	999.00	0.00	510.2 (2-Lane)
1.100	19.64	999.00	19.64	999.00	0.00	682.3 (1-Lane)
1.200	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.200	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.300	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.400	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.400	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.500	4.90	999.00	4.90	999.00	0.00	170.2 (2-Lane)
1.500	6.55	999.00	6.55	999.00	0.00	227.6 (1-Lane)
1.600	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.600	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.700	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.800	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.800	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.5 (2-Lane)
1.900	19.53	999.00	19.53	999.00	0.00	678.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.60		(1-Lane) LL 1.60	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	83.43	62.73	72.69	54.66
1.100	43.8	5.6	78.13	58.74	68.07	51.18
1.200	29.3	4.2	67.21	50.54	58.56	44.03
1.300	19.5	2.8	56.30	42.33	49.05	36.88
1.400	9.8	1.4	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.4	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-2.8	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.2	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-5.6	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-12.5	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.3	30.6	121.9	-133.1	110.8 (2-Lane)
1.400	94.9	30.6	125.5	-136.6	114.3 (1-Lane)
1.500	53.6	48.2	101.9	-101.9	101.9 (2-Lane)
1.500	54.5	48.2	102.7	-102.7	102.7 (1-Lane)
1.600	91.3	30.6	121.9	-110.8	133.1 (2-Lane)
1.600	94.9	30.6	125.5	-114.3	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.83	1.64	0.00	57.0 (2-Lane)
1.051	314.28	1.88	0.00	65.4 (1-Lane)
1.100	130.73	2.16	0.00	75.0 (2-Lane)
1.100	150.04	2.48	0.00	86.1 (1-Lane)
1.200	27.87	2.14	0.00	74.2 (2-Lane)
1.200	31.99	2.45	0.00	85.2 (1-Lane)
1.300	13.65	2.96	0.00	103.0 (2-Lane)
1.300	15.66	3.40	0.00	118.2 (1-Lane)
1.400	5.41	2.44	0.00	84.8 (2-Lane)
1.400	6.38	2.89	0.00	100.5 (1-Lane)
1.500	2.96	2.96	0.00	102.7 (2-Lane)
1.500	3.42	3.42	0.00	118.8 (1-Lane)
1.600	2.44	5.41	0.00	84.8 (2-Lane)
1.600	2.89	6.38	0.00	100.5 (1-Lane)
1.700	2.96	13.65	0.00	103.0 (2-Lane)
1.700	3.40	15.66	0.00	118.2 (1-Lane)
1.800	2.14	27.87	0.00	74.2 (2-Lane)
1.800	2.45	31.99	0.00	85.2 (1-Lane)
1.900	2.30	131.54	0.00	80.0 (2-Lane)
1.900	2.64	150.98	0.00	91.9 (1-Lane)
1.949	1.71	274.75	0.00	59.4 (2-Lane)
1.949	1.96	315.34	0.00	68.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG

Rating Live Load: SU6

			(2-Lane)		(1-Lane)
Gamma	DC	DW	LL		LL
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00		0.00
1.100	218.4	35.5	198.98 R	149.61	148.79 R		111.87		
1.200	443.0	63.2	358.99 R	269.92	268.43 R		201.83		
1.300	581.4	82.9	466.36 R	350.64	348.71 R		262.19		
1.400	664.5	94.8	526.02 R	395.50	393.32 R		295.73		
1.500	692.1	98.7	541.77 R	407.35	405.10 R		304.59		
1.600	664.5	94.8	526.02 R	395.50	393.32 R		295.73		
1.700	581.4	82.9	466.36 R	350.64	348.71 R		262.19		
1.800	443.0	63.2	358.99 R	269.92	268.43 R		201.83		
1.900	249.2	35.5	198.98 R	149.61	148.79 R		111.87		
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00		

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 957

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

 Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

 Rating Type: III-LGL S
 Rating Live Load: SU6

Service

Span	top +bend	Rating Factor		bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
		top fiber -bend	bottom fiber -bend				
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	999.00	0.00	791.0 (1-Lane)
1.200	28.24	999.00	8.59	999.00	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	999.00	0.00	399.1 (1-Lane)
1.300	20.33	999.00	6.19	999.00	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	999.00	0.00	287.7 (1-Lane)
1.400	17.28	999.00	5.26	999.00	999.00	0.00	183.0 (2-Lane)
1.400	23.10	999.00	7.04	999.00	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	999.00	0.00	175.1 (2-Lane)
1.500	22.11	999.00	6.74	999.00	999.00	0.00	234.2 (1-Lane)
1.600	17.28	999.00	5.26	999.00	999.00	0.00	183.0 (2-Lane)
1.600	23.10	999.00	7.04	999.00	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	999.00	0.00	399.1 (1-Lane)
1.900	55.58	999.00	16.87	999.00	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	999.00	0.00	784.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.60 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	416.40 R	313.08	311.35 R	234.10
1.200	443.0	63.2	751.06 R	564.71	561.60 R	422.25
1.300	581.4	82.9	1004.00 R	754.88	750.72 R	564.45
1.400	664.5	94.8	1135.75 R	853.95	849.24 R	638.53
1.500	692.1	98.7	1175.91 R	884.14	879.27 R	661.11
1.600	664.5	94.8	1135.75 R	853.95	849.24 R	638.53
1.700	581.4	82.9	1004.00 R	754.88	750.72 R	564.45
1.800	443.0	63.2	751.06 R	564.71	561.60 R	422.25
1.900	249.2	35.5	416.40 R	313.08	311.35 R	234.10
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5843.0	5843.0	-253.9	-253.9
1.200	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.300	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.400	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.500	6096.9	6096.9	0.0	0.0	5306.0	5306.0	-790.8	-790.8
1.600	6096.9	6096.9	0.0	0.0	5337.7	5337.7	-759.2	-759.2
1.700	6096.9	6096.9	0.0	0.0	5432.6	5432.6	-664.3	-664.3
1.800	6096.9	6096.9	0.0	0.0	5590.7	5590.7	-506.1	-506.1
1.900	6096.9	6096.9	0.0	0.0	5812.2	5812.2	-284.7	-284.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL
Rating Live Load: SU7

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.03	999.00	14.03	999.00	0.00	543.7 (2-Lane)
1.100	18.77	999.00	18.77	999.00	0.00	727.2 (1-Lane)
1.200	7.44	999.00	7.44	999.00	0.00	288.4 (2-Lane)
1.200	9.95	999.00	9.95	999.00	0.00	385.8 (1-Lane)
1.300	5.41	999.00	5.41	999.00	0.00	209.7 (2-Lane)
1.300	7.24	999.00	7.24	999.00	0.00	280.4 (1-Lane)
1.400	4.70	999.00	4.70	999.00	0.00	182.1 (2-Lane)
1.400	6.28	999.00	6.28	999.00	0.00	243.6 (1-Lane)
1.500	4.51	999.00	4.51	999.00	0.00	174.9 (2-Lane)
1.500	6.03	999.00	6.03	999.00	0.00	233.8 (1-Lane)
1.600	4.70	999.00	4.70	999.00	0.00	182.1 (2-Lane)

1.600	6.28	999.00	6.28	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	243.6 (1-Lane)
1.700	5.41	999.00	5.41	999.00	0.00	209.7 (2-Lane)
1.700	7.24	999.00	7.24	999.00	0.00	280.4 (1-Lane)
1.800	7.44	999.00	7.44	999.00	0.00	288.4 (2-Lane)
1.800	9.95	999.00	9.95	999.00	0.00	385.8 (1-Lane)
1.900	13.96	999.00	13.96	999.00	0.00	540.9 (2-Lane)
1.900	18.67	999.00	18.67	999.00	0.00	723.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.2	87.66	65.91	76.38	57.43
1.100	43.8	5.6	81.75	61.46	71.22	53.55
1.200	29.3	4.2	69.57	52.31	60.62	45.58
1.300	19.5	2.8	57.40	43.16	50.01	37.60
1.400	9.8	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-5.6	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-12.5	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 963

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (2-Lane)
1.051	65.6	129.9	195.5	-254.2	136.8 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.4	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.0	30.6	118.6	-129.7	107.5 (2-Lane)
1.400	91.8	30.6	122.4	-133.6	111.3 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	51.7	48.2	99.9	-99.9	99.9 (1-Lane)
1.600	88.0	30.6	118.6	-107.5	129.7 (2-Lane)
1.600	91.8	30.6	122.4	-111.3	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.4 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (2-Lane)
1.949	67.0	131.9	198.8	-142.6	255.0 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance

(tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.83	1.56	0.00	60.5 (2-Lane)
1.051	314.28	1.79	0.00	69.4 (1-Lane)
1.100	148.06	2.06	0.00	79.9 (2-Lane)
1.100	169.94	2.37	0.00	91.7 (1-Lane)
1.200	36.80	2.06	0.00	80.0 (2-Lane)
1.200	42.24	2.37	0.00	91.8 (1-Lane)
1.300	15.66	2.91	0.00	112.6 (2-Lane)
1.300	17.97	3.34	0.00	129.2 (1-Lane)
1.400	5.59	2.38	0.00	92.1 (2-Lane)
1.400	6.61	2.82	0.00	109.4 (1-Lane)
1.500	2.95	2.95	0.00	114.2 (2-Lane)
1.500	3.42	3.42	0.00	132.4 (1-Lane)
1.600	2.38	5.59	0.00	92.1 (2-Lane)
1.600	2.82	6.61	0.00	109.4 (1-Lane)
1.700	2.91	15.66	0.00	112.6 (2-Lane)
1.700	3.34	17.97	0.00	129.2 (1-Lane)
1.800	2.06	36.80	0.00	80.0 (2-Lane)
1.800	2.37	42.24	0.00	91.8 (1-Lane)
1.900	2.20	148.99	0.00	85.3 (2-Lane)
1.900	2.53	171.00	0.00	97.9 (1-Lane)
1.949	1.63	274.75	0.00	63.0 (2-Lane)
1.949	1.87	315.34	0.00	72.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 965

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LG

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.5	208.20 R	156.54	155.68 R	117.05
1.200	443.0	63.2	375.53 R	282.35	280.80 R	211.13
1.300	581.4	82.9	502.00 R	377.44	375.36 R	282.23
1.400	664.5	94.8	567.88 R	426.97	424.62 R	319.26
1.500	692.1	98.7	587.96 R	442.07	439.63 R	330.55
1.600	664.5	94.8	567.88 R	426.97	424.62 R	319.26
1.700	581.4	82.9	502.00 R	377.44	375.36 R	282.23
1.800	443.0	63.2	375.53 R	282.35	280.80 R	211.13
1.900	249.2	35.5	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 965

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G05

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	843.0 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.9 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	180.0 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.7 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.9 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
System Factor: 1.000
ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G06 01-IG006
Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge No. 1	Location No. 2

1	1	56.786	1	0		0.0	0.0
---	---	--------	---	---	--	-----	-----

Range Length -- Composite:			
Span No.	Range No.	Range Length	Composite Code

1	1	56.786	C
---	---	--------	---

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)	
			Left	Right	Length	
1	W	0.000	196.9	196.9	56.786	0.0
1	Z	0.000	169.9	169.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Force Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8	814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7	780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8	771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Span	Neutral Axis		Moment of Inertia (n=n)	+Bend (n=3n)	Section Modulus		+Bend (n=3n)	Bott.
	Top	Bott.			Top	Bott.		
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement	
				Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)	(1-Lane)
	LL	1.25	LL	1.25	LL	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane		Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	99.2	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating top fiber	Factor bottom fiber	Rating Value	Load Resistance
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	+bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.4 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.6 (1-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.200	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.300	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.300	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.400	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.500	3.68	999.00	3.68	999.00	0.00	132.4 (2-Lane)
1.500	4.92	999.00	4.92	999.00	0.00	177.1 (1-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	135.4 (2-Lane)
1.600	5.03	999.00	5.03	999.00	0.00	181.1 (1-Lane)
1.700	4.30	999.00	4.30	999.00	0.00	154.8 (2-Lane)
1.700	5.75	999.00	5.75	999.00	0.00	207.0 (1-Lane)
1.800	5.64	999.00	5.64	999.00	0.00	202.8 (2-Lane)
1.800	7.54	999.00	7.54	999.00	0.00	271.3 (1-Lane)
1.900	10.18	999.00	10.18	999.00	0.00	366.4 (2-Lane)
1.900	13.61	999.00	13.61	999.00	0.00	490.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	118.11	0.00	94.04	0.00	102.90	0.00
1.100	43.8	5.6	109.99	0.00	87.42	0.00	95.83	0.00
1.200	29.3	4.2	93.63	0.00	74.13	0.00	81.58	0.00
1.300	19.5	2.8	77.74	0.00	61.31	0.00	67.74	0.00
1.400	9.8	1.4	62.33	0.00	48.96	0.00	54.30	0.00
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00
1.600	-9.8	-1.4	-62.33	0.00	-48.96	0.00	-54.30	0.00
1.700	-19.5	-2.8	-77.74	0.00	-61.31	0.00	-67.74	0.00
1.800	-29.3	-4.2	-93.63	0.00	-74.13	0.00	-81.58	0.00
1.900	-39.0	-5.6	-109.99	0.00	-87.41	0.00	-95.83	0.00
1.949	-43.7	-12.5	-118.11	0.00	-94.04	0.00	-102.90	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	97.0	30.6	127.6	-138.8	116.5 (2-Lane)
1.400	102.1	30.6	132.7	-143.8	121.5 (1-Lane)
1.500	59.9	48.2	108.2	-108.2	108.2 (2-Lane)
1.500	61.9	48.2	110.1	-110.1	110.1 (1-Lane)
1.600	97.0	30.6	127.6	-116.5	138.8 (2-Lane)
1.600	102.1	30.6	132.7	-121.5	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)

1.900 77.5 147.0 224.5 -179.9 269.1 (2-Lane)
1.900 77.5 147.0 224.5 -179.9 269.1 (1-Lane)
1.949 67.0 131.9 198.8 -142.5 255.1 (2-Lane)
1.949 67.0 131.9 198.8 -142.5 255.1 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.16	0.00	41.7 (2-Lane)
1.051	103.29	1.33	0.00	47.8 (1-Lane)
1.100	48.07	1.53	0.00	55.2 (2-Lane)
1.100	55.17	1.76	0.00	63.3 (1-Lane)
1.200	13.95	1.53	0.00	55.2 (2-Lane)
1.200	16.01	1.76	0.00	63.4 (1-Lane)
1.300	8.51	2.15	0.00	77.2 (2-Lane)
1.300	9.76	2.46	0.00	88.7 (1-Lane)
1.400	3.95	1.87	0.00	67.3 (2-Lane)
1.400	4.70	2.24	0.00	80.5 (1-Lane)
1.500	2.28	2.28	0.00	82.2 (2-Lane)
1.500	2.67	2.67	0.00	96.0 (1-Lane)
1.600	1.87	3.95	0.00	67.3 (2-Lane)
1.600	2.24	4.70	0.00	80.6 (1-Lane)
1.700	2.15	8.51	0.00	77.2 (2-Lane)
1.700	2.46	9.76	0.00	88.7 (1-Lane)
1.800	1.53	13.95	0.00	55.2 (2-Lane)
1.800	1.76	16.01	0.00	63.4 (1-Lane)
1.900	1.64	46.41	0.00	58.9 (2-Lane)
1.900	1.88	53.27	0.00	67.6 (1-Lane)
1.949	1.21	88.36	0.00	43.4 (2-Lane)
1.949	1.38	101.41	0.00	49.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	79.4	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 975
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 976

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	42.60	999.00	12.97	999.00	0.00 467.0 (2-Lane)
1.100	56.98	999.00	17.35	999.00	0.00 624.6 (1-Lane)
1.200	22.35	999.00	6.80	999.00	0.00 244.7 (2-Lane)
1.200	29.90	999.00	9.09	999.00	0.00 327.2 (1-Lane)
1.300	16.42	999.00	5.00	999.00	0.00 179.9 (2-Lane)
1.300	21.95	999.00	6.68	999.00	0.00 240.6 (1-Lane)
1.400	14.01	999.00	4.27	999.00	0.00 153.7 (2-Lane)
1.400	18.73	999.00	5.71	999.00	0.00 205.5 (1-Lane)
1.500	13.58	999.00	4.14	999.00	0.00 149.1 (2-Lane)
1.500	18.16	999.00	5.54	999.00	0.00 199.3 (1-Lane)
1.600	14.01	999.00	4.27	999.00	0.00 153.7 (2-Lane)
1.600	18.73	999.00	5.71	999.00	0.00 205.5 (1-Lane)
1.700	16.42	999.00	5.00	999.00	0.00 179.9 (2-Lane)
1.700	21.95	999.00	6.68	999.00	0.00 240.6 (1-Lane)
1.800	22.35	999.00	6.80	999.00	0.00 244.7 (2-Lane)
1.800	29.90	999.00	9.09	999.00	0.00 327.2 (1-Lane)
1.900	42.37	999.00	12.86	999.00	0.00 462.9 (2-Lane)
1.900	56.66	999.00	17.20	999.00	0.00 619.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HS20

Span	Gamma		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.75	1.75		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R
1.100	218.4	35.7	463.43 R	0.00	348.45	0.00 346.52 R
1.200	443.0	63.5	800.87 R	0.00	602.16	0.00 598.84 R
1.300	581.4	83.3	1012.32 R	0.00	761.14	0.00 756.94 R
1.400	664.5	95.2	1132.28 R	0.00	851.34	0.00 846.64 R
1.500	692.1	99.2	1143.51 R	0.00	859.78	0.00 855.04 R
1.600	664.5	95.2	1132.28 R	0.00	851.34	0.00 846.64 R
1.700	581.4	83.3	1012.32 R	0.00	761.14	0.00 756.94 R
1.800	443.0	63.5	800.87 R	0.00	602.16	0.00 598.84 R
1.900	249.2	35.7	463.43 R	0.00	348.45	0.00 346.52 R
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00 R
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance		Bending		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	12.61	999.00	12.61	999.00	252.15	453.9 (2-Lane)
1.100	16.86	999.00	16.86	999.00	337.22	607.0 (1-Lane)
1.200	6.98	999.00	6.98	999.00	139.61	251.3 (2-Lane)
1.200	9.34	999.00	9.34	999.00	186.71	336.1 (1-Lane)
1.300	5.37	999.00	5.37	999.00	107.32	193.2 (2-Lane)
1.300	7.18	999.00	7.18	999.00	143.53	258.4 (1-Lane)
1.400	4.71	999.00	4.71	999.00	94.27	169.7 (2-Lane)
1.400	6.30	999.00	6.30	999.00	126.08	226.9 (1-Lane)
1.500	4.64	999.00	4.64	999.00	92.79	167.0 (2-Lane)
1.500	6.20	999.00	6.20	999.00	124.10	223.4 (1-Lane)
1.600	4.71	999.00	4.71	999.00	94.27	169.7 (2-Lane)
1.600	6.30	999.00	6.30	999.00	126.08	226.9 (1-Lane)
1.700	5.37	999.00	5.37	999.00	107.32	193.2 (2-Lane)
1.700	7.18	999.00	7.18	999.00	143.53	258.4 (1-Lane)
1.800	6.98	999.00	6.98	999.00	139.61	251.3 (2-Lane)
1.800	9.34	999.00	9.34	999.00	186.71	336.1 (1-Lane)
1.900	12.54	999.00	12.54	999.00	250.82	451.5 (2-Lane)
1.900	16.77	999.00	16.77	999.00	335.45	603.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	96.99	0.00	72.93	0.00	84.51	0.00	63.54	0.00
1.100	43.8	5.6	90.98	0.00	68.41	0.00	79.27	0.00	59.60	0.00
1.200	29.3	4.2	78.61	0.00	59.11	0.00	68.49	0.00	51.50	0.00
1.300	19.5	2.8	66.24	0.00	49.81	0.00	57.72	0.00	43.40	0.00
1.400	9.8	1.4	53.88	0.00	40.51	0.00	46.94	0.00	35.29	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19	0.00
1.600	-9.8	-1.4	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29	0.00
1.700	-19.5	-2.8	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40	0.00
1.800	-29.3	-4.2	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50	0.00
1.900	-39.0	-5.6	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60	0.00
1.949	-43.7	-12.5	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 981

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HS20

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	-211.4	166.8 (1-Lane)
1.400	98.5	30.6	-140.2	117.9 (2-Lane)
1.400	102.6	30.6	-144.3	122.0 (1-Lane)
1.500	60.5	48.2	-108.7	108.7 (2-Lane)
1.500	61.6	48.2	-109.9	109.9 (1-Lane)
1.600	98.5	30.6	-117.9	140.2 (2-Lane)
1.600	102.6	30.6	-122.0	144.3 (1-Lane)
1.700	106.5	82.6	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 982

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: HS20

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	89.99	1.41	28.19	50.8 (2-Lane)
1.051	103.29	1.62	32.36	58.2 (1-Lane)
1.100	48.65	1.85	37.06	66.7 (2-Lane)
1.100	55.84	2.13	42.54	76.6 (1-Lane)
1.200	19.15	1.83	36.53	65.8 (2-Lane)
1.200	21.97	2.10	41.92	75.5 (1-Lane)
1.300	10.88	2.52	50.36	90.6 (2-Lane)
1.300	12.49	2.89	57.80	104.0 (1-Lane)
1.400	4.61	2.19	43.78	78.8 (2-Lane)
1.400	5.44	2.60	51.98	93.6 (1-Lane)
1.500	2.62	2.62	52.39	94.3 (2-Lane)
1.500	3.04	3.04	60.76	109.4 (1-Lane)
1.600	2.19	4.61	43.78	78.8 (2-Lane)
1.600	2.60	5.44	51.98	93.6 (1-Lane)
1.700	2.52	10.88	50.36	90.6 (2-Lane)
1.700	2.89	12.49	57.80	104.0 (1-Lane)
1.800	1.83	19.15	36.53	65.8 (2-Lane)
1.800	2.10	21.97	41.92	75.5 (1-Lane)
1.900	1.98	48.96	39.55	71.2 (2-Lane)
1.900	2.27	56.19	45.39	81.7 (1-Lane)
1.949	1.47	90.30	29.39	52.9 (2-Lane)
1.949	1.69	103.64	33.74	60.7 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 983

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
Rating Live Load: HS20

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	79.4	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load: Span
Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Top Bott. Top Bott. Top Bott. Top Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 984

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.50	999.00	15.98	999.00	319.70	575.5 (2-Lane)
1.100	70.21	999.00	21.38	999.00	427.56	769.6 (1-Lane)
1.200	27.69	999.00	8.42	999.00	168.38	303.1 (2-Lane)
1.200	37.03	999.00	11.26	999.00	225.19	405.3 (1-Lane)
1.300	20.49	999.00	6.24	999.00	124.75	224.6 (2-Lane)
1.300	27.40	999.00	8.34	999.00	166.84	300.3 (1-Lane)
1.400	17.55	999.00	5.35	999.00	107.00	192.6 (2-Lane)
1.400	23.48	999.00	7.16	999.00	143.09	257.6 (1-Lane)
1.500	17.13	999.00	5.22	999.00	104.45	188.0 (2-Lane)

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1.500	22.91	999.00	6.98	999.00	139.69 251.4 (1-Lane)
1.600	17.55	999.00	5.35	999.00	107.00 192.6 (2-Lane)
1.600	23.48	999.00	7.16	999.00	143.09 257.6 (1-Lane)
1.700	20.49	999.00	6.24	999.00	124.75 224.6 (2-Lane)
1.700	27.40	999.00	8.34	999.00	166.84 300.3 (1-Lane)
1.800	27.69	999.00	8.42	999.00	168.38 303.1 (2-Lane)
1.800	37.03	999.00	11.26	999.00	225.19 405.3 (1-Lane)
1.900	52.20	999.00	15.84	999.00	316.86 570.3 (2-Lane)
1.900	69.82	999.00	21.19	999.00	423.76 762.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 985

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3

Gamma		DC	DW	LL	LL
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	99.2	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 986

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.100	17.37	999.00	17.37	999.00	0.00	434.2 (2-Lane)
1.100	23.23	999.00	23.23	999.00	0.00	580.7 (1-Lane)
1.200	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.200	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.300	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.300	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.400	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.400	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.500	6.20	999.00	6.20	999.00	0.00	154.9 (2-Lane)
1.500	8.28	999.00	8.28	999.00	0.00	207.1 (1-Lane)
1.600	6.36	999.00	6.36	999.00	0.00	159.0 (2-Lane)
1.600	8.51	999.00	8.51	999.00	0.00	212.6 (1-Lane)
1.700	7.27	999.00	7.27	999.00	0.00	181.9 (2-Lane)
1.700	9.73	999.00	9.73	999.00	0.00	243.2 (1-Lane)
1.800	9.55	999.00	9.55	999.00	0.00	238.8 (2-Lane)
1.800	12.77	999.00	12.77	999.00	0.00	319.3 (1-Lane)
1.900	17.28	999.00	17.28	999.00	0.00	431.9 (2-Lane)
1.900	23.10	999.00	23.10	999.00	0.00	577.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 988

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.22	0.00	52.80	0.00	61.18	0.00	46.00
1.100	43.8	5.6	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	29.3	4.2	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	19.5	2.8	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	9.8	1.4	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-9.8	-1.4	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-19.5	-2.8	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-29.3	-4.2	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-39.0	-5.6	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.949	-43.7	-12.5	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 989

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.5	30.6	124.1	-135.2	112.9 (2-Lane)
1.400	96.2	30.6	126.7	-137.9	115.6 (1-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (2-Lane)
1.500	55.6	48.2	103.9	-103.9	103.9 (1-Lane)
1.600	93.5	30.6	124.1	-112.9	135.2 (2-Lane)
1.600	96.2	30.6	126.7	-115.6	137.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
 Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.95	0.00	48.7 (2-Lane)
1.051	194.43	2.23	0.00	55.9 (1-Lane)
1.100	70.69	2.55	0.00	63.8 (2-Lane)
1.100	81.13	2.93	0.00	73.3 (1-Lane)
1.200	21.87	2.50	0.00	62.5 (2-Lane)
1.200	25.10	2.87	0.00	71.7 (1-Lane)
1.300	13.67	3.41	0.00	85.3 (2-Lane)
1.300	15.69	3.92	0.00	97.9 (1-Lane)
1.400	5.85	2.80	0.00	70.1 (2-Lane)
1.400	6.85	3.29	0.00	82.3 (1-Lane)
1.500	3.28	3.28	0.00	81.9 (2-Lane)
1.500	3.76	3.76	0.00	94.1 (1-Lane)
1.600	2.80	5.85	0.00	70.1 (2-Lane)
1.600	3.29	6.85	0.00	82.3 (1-Lane)
1.700	3.41	13.67	0.00	85.3 (2-Lane)
1.700	3.92	15.69	0.00	97.9 (1-Lane)
1.800	2.50	21.87	0.00	62.5 (2-Lane)
1.800	2.87	25.10	0.00	71.7 (1-Lane)
1.900	2.72	71.13	0.00	68.1 (2-Lane)
1.900	3.13	81.64	0.00	78.2 (1-Lane)
1.949	2.03	169.97	0.00	50.8 (2-Lane)
1.949	2.33	195.08	0.00	58.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	79.4	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: 3
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2

1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.200	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.300	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.300	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.400	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.400	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.500	22.87	999.00	6.97	999.00	0.00	174.3 (2-Lane)
1.500	30.59	999.00	9.33	999.00	0.00	233.1 (1-Lane)
1.600	23.69	999.00	7.22	999.00	0.00	180.5 (2-Lane)
1.600	31.68	999.00	9.65	999.00	0.00	241.3 (1-Lane)
1.700	27.77	999.00	8.46	999.00	0.00	211.4 (2-Lane)
1.700	37.14	999.00	11.31	999.00	0.00	282.7 (1-Lane)
1.800	37.89	999.00	11.52	999.00	0.00	288.0 (2-Lane)
1.800	50.67	999.00	15.41	999.00	0.00	385.1 (1-Lane)
1.900	71.91	999.00	21.83	999.00	0.00	545.6 (2-Lane)
1.900	96.17	999.00	29.19	999.00	0.00	729.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 993

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	397.00 R	0.00	298.50	0.00
1.200	443.0	63.5	654.01 R	0.00	491.74	0.00
1.300	581.4	83.3	856.08 R	0.00	643.67	0.00
1.400	664.5	95.2	947.74 R	0.00	712.58	0.00
1.500	692.1	99.2	930.21 R	0.00	699.41	0.00
1.600	664.5	95.2	947.74 R	0.00	712.58	0.00
1.700	581.4	83.3	856.08 R	0.00	643.67	0.00
1.800	443.0	63.5	654.01 R	0.00	491.74	0.00
1.900	249.2	35.7	397.00 R	0.00	298.50	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.72	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	19.68	999.00	19.68	999.00	0.00	787.3 (1-Lane)
1.200	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.200	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.300	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.500	5.70	999.00	5.70	999.00	0.00	228.1 (2-Lane)
1.500	7.63	999.00	7.63	999.00	0.00	305.1 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	225.3 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	301.3 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.8 (2-Lane)
1.700	8.49	999.00	8.49	999.00	0.00	339.4 (1-Lane)
1.800	8.55	999.00	8.55	999.00	0.00	341.9 (2-Lane)
1.800	11.43	999.00	11.43	999.00	0.00	457.3 (1-Lane)
1.900	14.64	999.00	14.64	999.00	0.00	585.6 (2-Lane)
1.900	19.58	999.00	19.58	999.00	0.00	783.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3S2

Span	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
Gamma	1.25	1.25	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	67.45	0.00	50.72	0.00
1.100	43.8	5.6	77.94	0.00	58.60	0.00
1.200	29.3	4.2	64.20	0.00	48.27	0.00
1.300	19.5	2.8	50.91	0.00	38.28	0.00
1.400	9.8	1.4	39.54	0.00	29.73	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	67.45	0.00	58.77	0.00
1.100	43.8	5.6	77.94	0.00	67.91	0.00
1.200	29.3	4.2	64.20	0.00	55.93	0.00
1.300	19.5	2.8	50.91	0.00	44.36	0.00
1.400	9.8	1.4	39.54	0.00	34.45	0.00
1.500	0.0	0.0	28.37	0.00	24.72	0.00

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1.600	-9.8	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00	-25.90
1.700	-19.5	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00	-33.35
1.800	-29.3	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00	-42.05
1.900	-39.0	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00	-51.06
1.949	-43.7	-12.5	-84.62	0.00	-63.62	0.00	-73.72	0.00	-55.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-INV

Rating Live Load:

3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	87.9	30.6	118.5	-129.6	107.3 (2-Lane)
1.400	91.0	30.6	121.6	-132.7	110.4 (1-Lane)
1.500	49.4	48.2	97.6	-97.6	97.6 (2-Lane)
1.500	49.7	48.2	98.0	-98.0	98.0 (1-Lane)
1.600	87.9	30.6	118.5	-107.3	129.6 (2-Lane)
1.600	91.0	30.6	121.6	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-INV

Rating Live Load:

3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	2.03	0.00	81.1 (2-Lane)
1.051	194.43	2.33	0.00	93.1 (1-Lane)
1.100	70.69	2.16	0.00	86.5 (2-Lane)
1.100	81.13	2.48	0.00	99.3 (1-Lane)
1.200	21.87	2.24	0.00	89.5 (2-Lane)
1.200	25.10	2.57	0.00	102.7 (1-Lane)
1.300	13.67	3.28	0.00	131.1 (2-Lane)
1.300	15.69	3.76	0.00	150.4 (1-Lane)
1.400	6.08	2.71	0.00	108.6 (2-Lane)
1.400	7.15	3.20	0.00	128.2 (1-Lane)
1.500	3.44	3.44	0.00	137.6 (2-Lane)
1.500	3.96	3.96	0.00	158.5 (1-Lane)
1.600	2.71	6.08	0.00	108.6 (2-Lane)
1.600	3.20	7.15	0.00	128.2 (1-Lane)
1.700	3.28	13.67	0.00	131.1 (2-Lane)
1.700	3.76	15.69	0.00	150.4 (1-Lane)
1.800	2.24	21.87	0.00	89.5 (2-Lane)
1.800	2.57	25.10	0.00	102.7 (1-Lane)
1.900	2.31	71.13	0.00	92.3 (2-Lane)
1.900	2.65	81.64	0.00	106.0 (1-Lane)
1.949	1.68	169.97	0.00	67.4 (2-Lane)
1.949	1.93	195.08	0.00	77.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- ASD/LFD/LRFD v5.00.06.09

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SERVICE MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	50.8	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	79.4	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	50.8	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 999

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0 (1-Lane)
1.200	33.91	999.00	10.31	999.00	0.00	412.4 (2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.5 (1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.300	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8 (2-Lane)
1.500	28.16	999.00	8.59	999.00	0.00	343.4 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	255.7 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	341.9 (1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.0 (2-Lane)
1.700	32.40	999.00	9.86	999.00	0.00	394.6 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.800	33.91	999.00	10.31	999.00	0.00 412.4 (2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00 551.5 (1-Lane)
1.900	60.94	999.00	18.49	999.00	0.00 739.8 (2-Lane)
1.900	81.50	999.00	24.73	999.00	0.00 989.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G06								
Rating Type:		I-INV								
Rating Live Load:		3-3								
Gamma		DC			(2-Lane)			(1-Lane)		
		1.25			LL			LL		
		1.25			1.75			1.75		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	99.2	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G06							
Rating Type:		I-INV							
Rating Live Load:		3-3							
Span	Moment Resistance				Available Resistance for LL+I				
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1	
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01				
Member I. D.		G06				
Rating Type:		I-INV				
Rating Live Load:		3-3				
Moment						
Span		Rating	Factor		Rating	Load
	top	fiber		bottom	Value	Resistance
	+bend	-bend		+bend		(tons)
				fiber		
				-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	685.9 (2-Lane)
1.100	22.93	999.00	22.93	999.00	0.00	917.4 (1-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.200	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.300	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
Page 40						

1.300	10.31	999.00	10.31	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	412.4 (1-Lane)
1.400	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.400	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.500	6.76	999.00	6.76	999.00	0.00	270.4 (2-Lane)
1.500	9.04	999.00	9.04	999.00	0.00	361.6 (1-Lane)
1.600	7.21	999.00	7.21	999.00	0.00	288.4 (2-Lane)
1.600	9.64	999.00	9.64	999.00	0.00	385.8 (1-Lane)
1.700	7.71	999.00	7.71	999.00	0.00	308.4 (2-Lane)
1.700	10.31	999.00	10.31	999.00	0.00	412.4 (1-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	397.6 (2-Lane)
1.800	13.29	999.00	13.29	999.00	0.00	531.7 (1-Lane)
1.900	17.06	999.00	17.06	999.00	0.00	682.3 (2-Lane)
1.900	22.81	999.00	22.81	999.00	0.00	912.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.57	0.00	54.56	0.00	63.22	0.00	47.54
1.100	43.8	5.6	66.89	0.00	50.29	0.00	58.28	0.00	43.82
1.200	29.3	4.2	55.21	0.00	41.51	0.00	48.10	0.00	36.17
1.300	19.5	2.8	43.53	0.00	32.73	0.00	37.92	0.00	28.51
1.400	9.8	1.4	33.97	0.00	25.54	0.00	29.60	0.00	22.26
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30
1.600	-9.8	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26
1.700	-19.5	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51
1.800	-29.3	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17
1.900	-39.0	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82
1.949	-43.7	-12.5	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.8	30.6	119.4	-130.5	108.2 (2-Lane)
1.400	90.9	30.6	121.5	-132.7	110.4 (1-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (2-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (1-Lane)
1.600	88.8	30.6	119.4	-108.2	130.5 (2-Lane)
1.600	90.9	30.6	121.5	-110.4	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	205.70	1.88	0.00	75.4 (2-Lane)
1.051	236.09	2.16	0.00	86.5 (1-Lane)
1.100	85.84	2.52	0.00	100.8 (2-Lane)
1.100	98.52	2.89	0.00	115.7 (1-Lane)
1.200	26.56	2.60	0.00	104.0 (2-Lane)
1.200	30.48	2.98	0.00	119.4 (1-Lane)
1.300	16.60	3.83	0.00	153.3 (2-Lane)
1.300	19.05	4.40	0.00	175.9 (1-Lane)
1.400	6.92	3.18	0.00	127.4 (2-Lane)
1.400	8.07	3.73	0.00	149.1 (1-Lane)
1.500	3.72	3.72	0.00	148.8 (2-Lane)
1.500	4.26	4.26	0.00	170.5 (1-Lane)
1.600	3.19	6.92	0.00	127.4 (2-Lane)
1.600	3.73	8.07	0.00	149.2 (1-Lane)
1.700	3.83	16.60	0.00	153.3 (2-Lane)
1.700	4.40	19.05	0.00	175.9 (1-Lane)
1.800	2.60	26.56	0.00	104.0 (2-Lane)
1.800	2.98	30.48	0.00	119.4 (1-Lane)
1.900	2.69	86.37	0.00	107.6 (2-Lane)
1.900	3.09	99.13	0.00	123.5 (1-Lane)
1.949	1.96	206.39	0.00	78.6 (2-Lane)
1.949	2.26	236.89	0.00	90.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	79.4	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1007

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8

9999999_20120831cy17_FlexuralRpt.txt

1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S

Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)
1.200	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)
1.300	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.300	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)
1.400	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)
1.500	24.96	999.00	7.61	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	10.18	999.00	0.00	407.0 (1-Lane)
1.600	26.85	999.00	8.18	999.00	0.00	327.4 (2-Lane)
1.600	35.92	999.00	10.95	999.00	0.00	437.8 (1-Lane)
1.700	29.43	999.00	8.96	999.00	0.00	358.5 (2-Lane)
1.700	39.36	999.00	11.98	999.00	0.00	479.4 (1-Lane)
1.800	39.43	999.00	11.99	999.00	0.00	479.5 (2-Lane)
1.800	52.74	999.00	16.03	999.00	0.00	641.3 (1-Lane)
1.900	71.00	999.00	21.55	999.00	0.00	862.0 (2-Lane)
1.900	94.96	999.00	28.82	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL			
	1.25		1.25		1.75		1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	664.5	95.2	947.82 R	5.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	692.1	99.2	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	664.5	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.72	999.00	15.72	999.00	0.00	424.5 (2-Lane)
1.100	21.03	999.00	21.03	999.00	0.00	567.7 (1-Lane)
1.200	8.62	999.00	8.62	999.00	0.00	232.7 (2-Lane)
1.200	11.52	999.00	11.52	999.00	0.00	311.2 (1-Lane)
1.300	6.53	999.00	6.53	999.00	0.00	176.4 (2-Lane)
1.300	8.74	999.00	8.74	999.00	0.00	235.9 (1-Lane)
1.400	5.63	999.00	5.63	999.00	0.00	152.0 (2-Lane)
1.400	7.53	999.00	7.53	999.00	0.00	203.3 (1-Lane)
1.500	5.44	999.00	5.44	999.00	0.00	147.0 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	196.5 (1-Lane)
1.600	5.63	999.00	5.63	999.00	0.00	152.0 (2-Lane)
1.600	7.53	999.00	7.53	999.00	0.00	203.3 (1-Lane)
1.700	6.53	999.00	6.53	999.00	0.00	176.4 (2-Lane)
1.700	8.74	999.00	8.74	999.00	0.00	235.9 (1-Lane)
1.800	8.62	999.00	8.62	999.00	0.00	232.7 (2-Lane)
1.800	11.52	999.00	11.52	999.00	0.00	311.2 (1-Lane)
1.900	15.64	999.00	15.64	999.00	0.00	422.3 (2-Lane)
1.900	20.92	999.00	20.92	999.00	0.00	564.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75	(1-Lane) LL 1.75		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	77.46	0.00	58.24	0.00
1.100	43.8	5.6	72.95	0.00	54.85	0.00
1.200	29.3	4.2	63.68	0.00	47.88	0.00
1.300	19.5	2.8	54.40	0.00	40.90	0.00
1.400	9.8	1.4	45.13	0.00	33.93	0.00
1.500	0.0	0.0	35.85	0.00	31.24	0.00
1.600	-9.8	-1.4	-45.13	0.00	-33.93	0.00
1.700	-19.5	-2.8	-54.40	0.00	-40.90	0.00
1.800	-29.3	-4.2	-63.68	0.00	-47.88	0.00
1.900	-39.0	-5.6	-72.95	0.00	-54.85	0.00
1.949	-43.7	-12.5	-77.46	0.00	-58.24	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
 Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	95.3	30.6	125.9	-137.0	114.7 (2-Lane)
1.400	98.5	30.6	129.1	-140.2	117.9 (1-Lane)
1.500	57.9	48.2	106.2	-106.2	106.2 (2-Lane)
1.500	58.5	48.2	106.7	-106.7	106.7 (1-Lane)
1.600	95.3	30.6	125.9	-114.7	137.0 (2-Lane)
1.600	98.5	30.6	129.1	-117.9	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
 Rating Live Load: SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.76	0.00	47.7 (2-Lane)
1.051	194.43	2.03	0.00	54.7 (1-Lane)
1.100	70.69	2.31	0.00	62.4 (2-Lane)
1.100	81.13	2.65	0.00	71.6 (1-Lane)
1.200	20.17	2.26	0.00	60.9 (2-Lane)
1.200	23.15	2.59	0.00	69.9 (1-Lane)
1.300	11.98	3.07	0.00	82.8 (2-Lane)
1.300	13.75	3.52	0.00	95.0 (1-Lane)
1.400	5.16	2.54	0.00	68.6 (2-Lane)
1.400	6.06	3.00	0.00	81.0 (1-Lane)
1.500	2.96	2.96	0.00	79.9 (2-Lane)
1.500	3.42	3.42	0.00	92.2 (1-Lane)
1.600	2.54	5.16	0.00	68.6 (2-Lane)
1.600	3.00	6.06	0.00	81.0 (1-Lane)
1.700	3.07	11.98	0.00	82.8 (2-Lane)
1.700	3.52	13.75	0.00	95.0 (1-Lane)
1.800	2.26	20.17	0.00	60.9 (2-Lane)
1.800	2.59	23.15	0.00	69.9 (1-Lane)
1.900	2.47	71.13	0.00	66.6 (2-Lane)
1.900	2.83	81.64	0.00	76.4 (1-Lane)
1.949	1.84	169.97	0.00	49.7 (2-Lane)
1.949	2.11	195.08	0.00	57.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN

Rating Live Load:		SU4		(2-Lane)				(1-Lane)			
Gamma	DC	DW		LL				LL			
	1.00	1.00		0.80				0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	174.7	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00	0.00
1.200	354.4	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00	0.00
1.300	465.1	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00	0.00
1.400	531.6	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00	0.00
1.500	553.7	79.4	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00	0.00
1.600	531.6	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00	0.00
1.700	465.1	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00	0.00
1.800	354.4	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00	0.00
1.900	199.3	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00	165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00	533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00	713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
 2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
 Rating Live Load: SU5

Gamma DC DW (2-Lane) (1-Lane)
 1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	99.2	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
 Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
 Rating Live Load: SU5

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.17	999.00	14.17	999.00	0.00	439.2 (2-Lane)
1.100	18.95	999.00	18.95	999.00	0.00	587.3 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.9 (2-Lane)
1.200	10.44	999.00	10.44	999.00	0.00	323.5 (1-Lane)
1.300	5.89	999.00	5.89	999.00	0.00	182.7 (2-Lane)
1.300	7.88	999.00	7.88	999.00	0.00	244.4 (1-Lane)
1.400	5.10	999.00	5.10	999.00	0.00	158.1 (2-Lane)
1.400	6.82	999.00	6.82	999.00	0.00	211.4 (1-Lane)
1.500	4.99	999.00	4.99	999.00	0.00	154.7 (2-Lane)
1.500	6.67	999.00	6.67	999.00	0.00	206.8 (1-Lane)

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1.600	5.10	999.00	5.10	999.00	0.00 158.1 (2-Lane)
1.600	6.82	999.00	6.82	999.00	0.00 211.4 (1-Lane)
1.700	5.89	999.00	5.89	999.00	0.00 182.7 (2-Lane)
1.700	7.88	999.00	7.88	999.00	0.00 244.4 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00 241.9 (2-Lane)
1.800	10.44	999.00	10.44	999.00	0.00 323.5 (1-Lane)
1.900	14.09	999.00	14.09	999.00	0.00 436.9 (2-Lane)
1.900	18.85	999.00	18.85	999.00	0.00 584.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU5

Gamma		DC	DW	LL	(1-Lane)
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	86.14	0.00	64.77	0.00	75.05	0.00	56.43
1.100	43.8	5.6	80.96	0.00	60.88	0.00	70.54	0.00	53.04
1.200	29.3	4.2	70.32	0.00	52.87	0.00	61.26	0.00	46.06
1.300	19.5	2.8	59.67	0.00	44.86	0.00	51.99	0.00	39.09
1.400	9.8	1.4	49.02	0.00	36.85	0.00	42.71	0.00	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13
1.600	-9.8	-1.4	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11
1.700	-19.5	-2.8	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09
1.800	-29.3	-4.2	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06
1.900	-39.0	-5.6	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04
1.949	-43.7	-12.5	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	96.1	30.6	126.7	-137.8	115.5 (2-Lane)
1.400	99.7	30.6	130.3	-141.5	119.2 (1-Lane)
1.500	58.8	48.2	107.0	-107.0	107.0 (2-Lane)
1.500	59.6	48.2	107.9	-107.9	107.9 (1-Lane)
1.600	96.1	30.6	126.7	-115.5	137.8 (2-Lane)
1.600	99.7	30.6	130.3	-119.2	141.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU5

Shear

Span	Rating Factor	Rating	Load
------	---------------	--------	------

	(-)	(+)	Value	Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	169.40	1.59	0.00	49.2 (2-Lane)
1.051	194.43	1.82	0.00	56.5 (1-Lane)
1.100	70.69	2.08	0.00	64.6 (2-Lane)
1.100	81.13	2.39	0.00	74.1 (1-Lane)
1.200	20.17	2.04	0.00	63.3 (2-Lane)
1.200	23.15	2.34	0.00	72.7 (1-Lane)
1.300	11.20	2.80	0.00	86.7 (2-Lane)
1.300	12.86	3.21	0.00	99.5 (1-Lane)
1.400	4.97	2.36	0.00	73.1 (2-Lane)
1.400	5.86	2.79	0.00	86.5 (1-Lane)
1.500	2.79	2.79	0.00	86.5 (2-Lane)
1.500	3.23	3.23	0.00	100.0 (1-Lane)
1.600	2.36	4.97	0.00	73.1 (2-Lane)
1.600	2.79	5.86	0.00	86.5 (1-Lane)
1.700	2.80	11.20	0.00	86.7 (2-Lane)
1.700	3.21	12.86	0.00	99.5 (1-Lane)
1.800	2.04	20.17	0.00	63.3 (2-Lane)
1.800	2.34	23.15	0.00	72.7 (1-Lane)
1.900	2.22	71.13	0.00	68.9 (2-Lane)
1.900	2.55	81.64	0.00	79.1 (1-Lane)
1.949	1.65	169.97	0.00	51.3 (2-Lane)
1.949	1.90	195.08	0.00	58.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	79.4	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1023

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load: Span

Service Resistance				Available Resistance for LL+I			
Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00	232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.800	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	435.27 R	0.00	327.27	0.00
1.200	443.0	63.5	785.29 R	0.00	590.44	0.00
1.300	581.4	83.3	1020.15 R	0.00	767.03	0.00
1.400	664.5	95.2	1150.66 R	0.00	865.16	0.00
1.500	692.1	99.2	1185.12 R	0.00	891.07	0.00
1.600	664.5	95.2	1150.66 R	0.00	865.16	0.00
1.700	581.4	83.3	1020.15 R	0.00	767.03	0.00
1.800	443.0	63.5	785.29 R	0.00	590.44	0.00
1.900	249.2	35.7	435.27 R	0.00	327.27	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1

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1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4	
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7	
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7	
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5	
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.42	999.00	13.42	999.00	0.00	466.5 (2-Lane)
1.100	17.95	999.00	17.95	999.00	0.00	623.8 (1-Lane)
1.200	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.200	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.300	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.400	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.400	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.500	4.48	999.00	4.48	999.00	0.00	155.6 (2-Lane)
1.500	5.99	999.00	5.99	999.00	0.00	208.1 (1-Lane)
1.600	4.64	999.00	4.64	999.00	0.00	161.2 (2-Lane)
1.600	6.20	999.00	6.20	999.00	0.00	215.6 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	185.0 (2-Lane)
1.700	7.12	999.00	7.12	999.00	0.00	247.5 (1-Lane)
1.800	7.12	999.00	7.12	999.00	0.00	247.4 (2-Lane)
1.800	9.52	999.00	9.52	999.00	0.00	330.8 (1-Lane)
1.900	13.35	999.00	13.35	999.00	0.00	464.0 (2-Lane)
1.900	17.86	999.00	17.86	999.00	0.00	620.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75		(1-Lane) LL 1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.25	0.00	68.61	0.00
1.100	43.8	5.6	85.45	0.00	64.25	0.00
1.200	29.3	4.2	73.51	0.00	55.27	0.00
1.300	19.5	2.8	61.58	0.00	46.30	0.00
1.400	9.8	1.4	49.64	0.00	37.32	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00
1.600	-9.8	-1.4	-49.64	0.00	-37.32	0.00
1.700	-19.5	-2.8	-61.58	0.00	-46.30	0.00
1.800	-29.3	-4.2	-73.51	0.00	-55.27	0.00
1.900	-39.0	-5.6	-85.45	0.00	-64.25	0.00
1.949	-43.7	-12.5	-91.25	0.00	-68.61	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06
Rating Type: I-INV
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	92.7	30.6	123.3	-134.4	112.2 (2-Lane)
1.400	96.7	30.6	127.3	-138.4	116.1 (1-Lane)
1.500	55.2	48.2	103.4	-103.4	103.4 (2-Lane)
1.500	56.3	48.2	104.5	-104.5	104.5 (1-Lane)
1.600	92.7	30.6	123.3	-112.2	134.5 (2-Lane)
1.600	96.7	30.6	127.3	-116.1	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06
Rating Type: I-INV
Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.50	0.00	52.1 (2-Lane)
1.051	287.42	1.72	0.00	59.8 (1-Lane)
1.100	119.54	1.97	0.00	68.6 (2-Lane)
1.100	137.20	2.27	0.00	78.7 (1-Lane)
1.200	25.49	1.95	0.00	67.9 (2-Lane)
1.200	29.25	2.24	0.00	77.9 (1-Lane)
1.300	12.48	2.71	0.00	94.1 (2-Lane)
1.300	14.32	3.11	0.00	108.0 (1-Lane)
1.400	5.00	2.26	0.00	78.5 (2-Lane)
1.400	5.91	2.68	0.00	93.3 (1-Lane)
1.500	2.74	2.74	0.00	95.3 (2-Lane)
1.500	3.18	3.18	0.00	110.6 (1-Lane)
1.600	2.26	5.00	0.00	78.5 (2-Lane)
1.600	2.68	5.91	0.00	93.3 (1-Lane)
1.700	2.71	12.48	0.00	94.1 (2-Lane)
1.700	3.11	14.32	0.00	108.0 (1-Lane)
1.800	1.95	25.49	0.00	67.9 (2-Lane)
1.800	2.24	29.25	0.00	77.9 (1-Lane)
1.900	2.11	120.28	0.00	73.2 (2-Lane)
1.900	2.42	138.05	0.00	84.0 (1-Lane)
1.949	1.56	251.26	0.00	54.3 (2-Lane)
1.949	1.79	288.39	0.00	62.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06
Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL	LL
					0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	79.4	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	Rating		Factor		Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.700	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00	586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00	783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	99.2	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Resistance		Negative Bending		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Top	Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom +bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	497.1 (2-Lane)
1.100	17.16	999.00	17.16	999.00	0.00	664.8 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.200	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)
1.300	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.300	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.400	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.400	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.8 (2-Lane)
1.500	5.52	999.00	5.52	999.00	0.00	213.8 (1-Lane)
1.600	4.30	999.00	4.30	999.00	0.00	166.5 (2-Lane)
1.600	5.75	999.00	5.75	999.00	0.00	222.7 (1-Lane)
1.700	4.95	999.00	4.95	999.00	0.00	191.7 (2-Lane)
1.700	6.62	999.00	6.62	999.00	0.00	256.4 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.7 (2-Lane)
1.800	9.10	999.00	9.10	999.00	0.00	352.7 (1-Lane)

1.900	12.76	999.00	12.76	999.00	0.00	494.5 (2-Lane)
1.900	17.07	999.00	17.07	999.00	0.00	661.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	95.88	0.00	72.09	0.00
1.100	43.8	5.6	89.41	0.00	67.23	0.00
1.200	29.3	4.2	76.10	0.00	57.22	0.00
1.300	19.5	2.8	62.78	0.00	47.21	0.00
1.400	9.8	1.4	49.47	0.00	37.20	0.00
1.500	0.0	0.0	36.72	0.00	27.61	0.00
1.600	-9.8	-1.4	-49.47	0.00	-37.20	0.00
1.700	-19.5	-2.8	-62.78	0.00	-47.21	0.00
1.800	-29.3	-4.2	-76.10	0.00	-57.22	0.00
1.900	-39.0	-5.6	-89.41	0.00	-67.23	0.00
1.949	-43.7	-12.5	-95.88	0.00	-72.09	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.2	30.6	119.8	-131.0	108.7 (2-Lane)
1.400	93.4	30.6	124.0	-135.2	112.9 (1-Lane)
1.500	52.1	48.2	100.3	-100.3	100.3 (2-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (1-Lane)
1.600	89.2	30.6	119.8	-108.7	131.0 (2-Lane)
1.600	93.4	30.6	124.0	-112.9	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-INV
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.42	1.43	0.00	55.3 (2-Lane)
1.051	287.42	1.64	0.00	63.4 (1-Lane)

1.100	135.39	1.89	0.00	73.1 (2-Lane)
1.100	155.39	2.16	0.00	83.9 (1-Lane)
1.200	33.65	1.89	0.00	73.1 (2-Lane)
1.200	38.62	2.17	0.00	83.9 (1-Lane)
1.300	14.32	2.66	0.00	102.9 (2-Lane)
1.300	16.43	3.05	0.00	118.2 (1-Lane)
1.400	5.16	2.20	0.00	85.1 (2-Lane)
1.400	6.11	2.62	0.00	101.5 (1-Lane)
1.500	2.73	2.73	0.00	105.8 (2-Lane)
1.500	3.17	3.17	0.00	123.0 (1-Lane)
1.600	2.20	5.16	0.00	85.1 (2-Lane)
1.600	2.62	6.11	0.00	101.5 (1-Lane)
1.700	2.66	14.32	0.00	102.9 (2-Lane)
1.700	3.05	16.43	0.00	118.2 (1-Lane)
1.800	1.89	33.65	0.00	73.1 (2-Lane)
1.800	2.17	38.62	0.00	83.9 (1-Lane)
1.900	2.01	136.23	0.00	78.0 (2-Lane)
1.900	2.31	156.36	0.00	89.5 (1-Lane)
1.949	1.49	251.26	0.00	57.6 (2-Lane)
1.949	1.71	288.39	0.00	66.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	79.4	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1039

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-INV S

Rating Live Load: SU7

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL 1.35		LL 1.35	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	99.2	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9

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1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.5 (2-Lane)
1.100	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.200	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.300	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.400	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.400	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.500	4.77	999.00	4.77	999.00	0.00	171.7 (2-Lane)
1.500	6.38	999.00	6.38	999.00	0.00	229.6 (1-Lane)
1.600	4.88	999.00	4.88	999.00	0.00	175.5 (2-Lane)
1.600	6.52	999.00	6.52	999.00	0.00	234.7 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.7 (2-Lane)
1.700	7.45	999.00	7.45	999.00	0.00	268.4 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	263.0 (2-Lane)
1.800	9.77	999.00	9.77	999.00	0.00	351.7 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	475.0 (2-Lane)
1.900	17.65	999.00	17.65	999.00	0.00	635.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	91.11	0.00	72.55	0.00	79.38	0.00
1.100	43.8	5.6	84.85	0.00	67.43	0.00	73.93	0.00
1.200	29.3	4.2	72.23	0.00	57.18	0.00	62.93	0.00
1.300	19.5	2.8	59.97	0.00	47.29	0.00	52.25	0.00
1.400	9.8	1.4	48.08	0.00	37.77	0.00	41.89	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00
1.600	-9.8	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00
1.700	-19.5	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00
1.800	-29.3	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00
1.900	-39.0	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00
1.949	-43.7	-12.5	-91.11	0.00	-72.55	0.00	-79.38	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HL93

Available Resistance for LL+I

	Shear Resistance				
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	-254.3	136.7	(2-Lane)
1.051	65.6	129.9	-254.3	136.7	(1-Lane)
1.100	74.9	143.2	-267.4	168.6	(2-Lane)
1.100	74.9	143.2	-267.4	168.6	(1-Lane)
1.200	94.4	82.6	-210.5	143.6	(2-Lane)
1.200	94.4	82.6	-210.5	143.6	(1-Lane)
1.300	106.5	82.6	-211.4	166.8	(2-Lane)
1.300	106.5	82.6	-211.4	166.8	(1-Lane)
1.400	93.0	30.6	-134.7	112.4	(2-Lane)
1.400	96.8	30.6	-138.5	116.2	(1-Lane)
1.500	55.4	48.2	-103.7	103.7	(2-Lane)
1.500	56.4	48.2	-104.6	104.6	(1-Lane)
1.600	93.0	30.6	-112.4	134.7	(2-Lane)
1.600	96.8	30.6	-116.2	138.5	(1-Lane)
1.700	106.5	82.6	-166.8	211.4	(2-Lane)
1.700	106.5	82.6	-166.8	211.4	(1-Lane)
1.800	94.4	82.6	-143.6	210.5	(2-Lane)
1.800	94.4	82.6	-143.6	210.5	(1-Lane)
1.900	77.5	147.0	-179.9	269.1	(2-Lane)
1.900	77.5	147.0	-179.9	269.1	(1-Lane)
1.949	67.0	131.9	-142.5	255.1	(2-Lane)
1.949	67.0	131.9	-142.5	255.1	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.50	0.00	54.0 (2-Lane)
1.051	133.90	1.72	0.00	62.0 (1-Lane)
1.100	62.31	1.99	0.00	71.5 (2-Lane)
1.100	71.52	2.28	0.00	82.1 (1-Lane)
1.200	18.08	1.99	0.00	71.6 (2-Lane)
1.200	20.75	2.28	0.00	82.1 (1-Lane)
1.300	11.03	2.78	0.00	100.1 (2-Lane)
1.300	12.66	3.19	0.00	114.9 (1-Lane)
1.400	4.98	2.34	0.00	84.2 (2-Lane)
1.400	5.87	2.77	0.00	99.9 (1-Lane)
1.500	2.84	2.84	0.00	102.1 (2-Lane)
1.500	3.29	3.29	0.00	118.3 (1-Lane)
1.600	2.34	4.98	0.00	84.2 (2-Lane)
1.600	2.77	5.87	0.00	99.9 (1-Lane)
1.700	2.78	11.03	0.00	100.1 (2-Lane)
1.700	3.19	12.66	0.00	114.9 (1-Lane)
1.800	1.99	18.08	0.00	71.6 (2-Lane)
1.800	2.28	20.75	0.00	82.1 (1-Lane)
1.900	2.12	60.16	0.00	76.3 (2-Lane)
1.900	2.43	69.05	0.00	87.6 (1-Lane)
1.949	1.57	114.54	0.00	56.3 (2-Lane)
1.949	1.80	131.46	0.00	64.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	357.51 R	0.00	267.32 R	0.00
1.200	443.0	63.5	617.82 R	0.00	461.96 R	0.00
1.300	581.4	83.3	780.93 R	0.00	583.93 R	0.00
1.400	664.5	95.2	873.47 R	0.00	653.13 R	0.00
1.500	692.1	99.2	882.13 R	0.00	659.60 R	0.00

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1.600	664.5	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07
1.700	581.4	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04
1.800	443.0	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34
1.900	249.2	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.34	999.00	16.34	999.00	326.87	588.4 (2-Lane)
1.100	21.86	999.00	21.86	999.00	437.14	786.9 (1-Lane)
1.200	9.05	999.00	9.05	999.00	180.97	325.8 (2-Lane)
1.200	12.10	999.00	12.10	999.00	242.03	435.7 (1-Lane)
1.300	6.96	999.00	6.96	999.00	139.12	250.4 (2-Lane)
1.300	9.30	999.00	9.30	999.00	186.06	334.9 (1-Lane)
1.400	6.11	999.00	6.11	999.00	122.21	220.0 (2-Lane)
1.400	8.17	999.00	8.17	999.00	163.44	294.2 (1-Lane)
1.500	6.01	999.00	6.01	999.00	120.29	216.5 (2-Lane)
1.500	8.04	999.00	8.04	999.00	160.87	289.6 (1-Lane)
1.600	6.11	999.00	6.11	999.00	122.21	220.0 (2-Lane)
1.600	8.17	999.00	8.17	999.00	163.44	294.2 (1-Lane)
1.700	6.96	999.00	6.96	999.00	139.12	250.4 (2-Lane)
1.700	9.30	999.00	9.30	999.00	186.06	334.9 (1-Lane)
1.800	9.05	999.00	9.05	999.00	180.97	325.8 (2-Lane)
1.800	12.10	999.00	12.10	999.00	242.03	435.7 (1-Lane)
1.900	16.26	999.00	16.26	999.00	325.14	585.3 (2-Lane)
1.900	21.74	999.00	21.74	999.00	434.84	782.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: HS20

(2-Lane)

(1-Lane)

Gamma	DC 1.25	DW 1.25	LL 1.35				LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.82	0.00	56.26	0.00	65.19	0.00	49.01	0.00
1.100	43.8	5.6	70.18	0.00	52.77	0.00	61.15	0.00	45.98	0.00
1.200	29.3	4.2	60.64	0.00	45.60	0.00	52.84	0.00	39.73	0.00
1.300	19.5	2.8	51.10	0.00	38.42	0.00	44.52	0.00	33.48	0.00
1.400	9.8	1.4	41.56	0.00	31.25	0.00	36.21	0.00	27.23	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00	20.98	0.00
1.600	-9.8	-1.4	-41.56	0.00	-31.25	0.00	-36.21	0.00	-27.23	0.00
1.700	-19.5	-2.8	-51.10	0.00	-38.42	0.00	-44.52	0.00	-33.48	0.00
1.800	-29.3	-4.2	-60.64	0.00	-45.60	0.00	-52.84	0.00	-39.73	0.00
1.900	-39.0	-5.6	-70.18	0.00	-52.77	0.00	-61.15	0.00	-45.98	0.00
1.949	-43.7	-12.5	-74.82	0.00	-56.26	0.00	-65.19	0.00	-49.01	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.8	30.6	124.3	-135.5	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.3	116.0 (1-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (2-Lane)
1.500	55.5	48.2	103.8	-103.8	103.8 (1-Lane)
1.600	93.8	30.6	124.3	-113.2	135.5 (2-Lane)
1.600	96.6	30.6	127.2	-116.0	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: HS20

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	116.66	1.83	36.55	65.8 (2-Lane)
1.051	133.90	2.10	41.95	75.5 (1-Lane)
1.100	63.07	2.40	48.05	86.5 (2-Lane)
1.100	72.39	2.76	55.14	99.3 (1-Lane)
1.200	24.82	2.37	47.35	85.2 (2-Lane)
1.200	28.49	2.72	54.35	97.8 (1-Lane)
1.300	14.10	3.26	65.28	117.5 (2-Lane)
1.300	16.19	3.75	74.93	134.9 (1-Lane)
1.400	5.77	2.72	54.47	98.0 (2-Lane)
1.400	6.76	3.20	64.07	115.3 (1-Lane)
1.500	3.23	3.23	64.68	116.4 (2-Lane)
1.500	3.72	3.72	74.38	133.9 (1-Lane)
1.600	2.72	5.77	54.47	98.0 (2-Lane)
1.600	3.20	6.76	64.08	115.3 (1-Lane)
1.700	3.26	14.10	65.28	117.5 (2-Lane)
1.700	3.75	16.19	74.93	134.9 (1-Lane)
1.800	2.37	24.82	47.35	85.2 (2-Lane)
1.800	2.72	28.49	54.35	97.8 (1-Lane)

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1.900	2.56	63.46	51.27	92.3 (2-Lane)
1.900	2.94	72.84	58.84	105.9 (1-Lane)
1.949	1.90	117.05	38.10	68.6 (2-Lane)
1.949	2.19	134.35	43.73	78.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	99.2	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.51	999.00	22.51	999.00	0.00	562.8 (2-Lane)
1.100	30.11	999.00	30.11	999.00	0.00	752.7 (1-Lane)
1.200	12.38	999.00	12.38	999.00	0.00	309.5 (2-Lane)
1.200	16.56	999.00	16.56	999.00	0.00	413.9 (1-Lane)
1.300	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.300	12.61	999.00	12.61	999.00	0.00	315.3 (1-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	206.1 (2-Lane)

1.400	11.03	999.00	11.03	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 275.7 (1-Lane)
1.500	8.03	999.00	8.03	999.00	0.00 200.8 (2-Lane)
1.500	10.74	999.00	10.74	999.00	0.00 268.5 (1-Lane)
1.600	8.24	999.00	8.24	999.00	0.00 206.1 (2-Lane)
1.600	11.03	999.00	11.03	999.00	0.00 275.7 (1-Lane)
1.700	9.43	999.00	9.43	999.00	0.00 235.7 (2-Lane)
1.700	12.61	999.00	12.61	999.00	0.00 315.3 (1-Lane)
1.800	12.38	999.00	12.38	999.00	0.00 309.5 (2-Lane)
1.800	16.56	999.00	16.56	999.00	0.00 413.9 (1-Lane)
1.900	22.40	999.00	22.40	999.00	0.00 559.9 (2-Lane)
1.900	29.95	999.00	29.95	999.00	0.00 748.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	5.6	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.2	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	2.8	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.4	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.4	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-2.8	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.2	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-5.6	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-12.5	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.3	108.0 (2-Lane)
1.400	90.3	30.6	120.8	-132.0	109.7 (1-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.6	30.6	119.2	-108.0	130.3 (2-Lane)
1.600	90.3	30.6	120.8	-109.7	132.0 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.52	0.00	63.1 (2-Lane)
1.051	252.04	2.90	0.00	72.4 (1-Lane)
1.100	91.64	3.31	0.00	82.7 (2-Lane)
1.100	105.17	3.80	0.00	95.0 (1-Lane)
1.200	28.35	3.24	0.00	81.0 (2-Lane)
1.200	32.54	3.72	0.00	92.9 (1-Lane)
1.300	17.72	4.43	0.00	110.6 (2-Lane)
1.300	20.34	5.08	0.00	127.0 (1-Lane)
1.400	7.31	3.48	0.00	86.9 (2-Lane)
1.400	8.50	4.05	0.00	101.3 (1-Lane)
1.500	4.03	4.03	0.00	100.6 (2-Lane)
1.500	4.59	4.59	0.00	114.8 (1-Lane)
1.600	3.48	7.31	0.00	86.9 (2-Lane)
1.600	4.05	8.50	0.00	101.3 (1-Lane)
1.700	4.43	17.72	0.00	110.6 (2-Lane)
1.700	5.08	20.34	0.00	127.0 (1-Lane)
1.800	3.24	28.35	0.00	81.0 (2-Lane)
1.800	3.72	32.54	0.00	92.9 (1-Lane)
1.900	3.53	92.21	0.00	88.3 (2-Lane)
1.900	4.05	105.83	0.00	101.3 (1-Lane)
1.949	2.63	220.33	0.00	65.8 (2-Lane)
1.949	3.02	252.89	0.00	75.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	99.2	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1063

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06
 Rating Type: I-OPER
 Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.08	999.00	19.08	999.00	0.00	763.1 (2-Lane)
1.100	25.51	999.00	25.51	999.00	0.00	999.0 (1-Lane)
1.200	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.200	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.300	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.300	11.00	999.00	11.00	999.00	0.00	440.0 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.500	7.39	999.00	7.39	999.00	0.00	295.7 (2-Lane)
1.500	9.89	999.00	9.89	999.00	0.00	395.5 (1-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	292.0 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.700	8.23	999.00	8.23	999.00	0.00	329.0 (2-Lane)
1.700	11.00	999.00	11.00	999.00	0.00	440.0 (1-Lane)
1.800	11.08	999.00	11.08	999.00	0.00	443.2 (2-Lane)
1.800	14.82	999.00	14.82	999.00	0.00	592.8 (1-Lane)
1.900	18.98	999.00	18.98	999.00	0.00	759.1 (2-Lane)
1.900	25.38	999.00	25.38	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06
 Rating Type: I-OPER
 Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.35	LL	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	52.03	0.00	39.12	0.00
1.100	43.8	5.6	60.12	0.00	45.21	0.00
1.200	29.3	4.2	49.52	0.00	37.24	0.00
1.300	19.5	2.8	39.27	0.00	29.53	0.00
1.400	9.8	1.4	30.50	0.00	22.93	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00
1.600	-9.8	-1.4	-30.50	0.00	-22.93	0.00
1.700	-19.5	-2.8	-39.27	0.00	-29.53	0.00
1.800	-29.3	-4.2	-49.52	0.00	-37.24	0.00
1.900	-39.0	-5.6	-60.12	0.00	-45.21	0.00
1.949	-43.7	-12.5	-65.28	0.00	-49.08	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06
 Rating Type: I-OPER
 Rating Live Load: 3S2

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	83.9	30.6	114.5	-125.7	103.4 (2-Lane)
1.400	86.1	30.6	116.6	-127.8	105.5 (1-Lane)
1.500	45.0	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.7	48.2	92.9	-92.9	92.9 (1-Lane)
1.600	83.9	30.6	114.5	-103.4	125.7 (2-Lane)
1.600	86.1	30.6	116.6	-105.5	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.63	0.00	105.1 (2-Lane)
1.051	252.04	3.02	0.00	120.6 (1-Lane)
1.100	91.64	2.80	0.00	112.2 (2-Lane)
1.100	105.17	3.22	0.00	128.7 (1-Lane)
1.200	28.35	2.90	0.00	116.0 (2-Lane)
1.200	32.54	3.33	0.00	133.1 (1-Lane)
1.300	17.72	4.25	0.00	169.9 (2-Lane)
1.300	20.34	4.88	0.00	195.0 (1-Lane)
1.400	7.65	3.39	0.00	135.5 (2-Lane)
1.400	8.92	3.97	0.00	158.8 (1-Lane)
1.500	4.26	4.26	0.00	170.3 (2-Lane)
1.500	4.87	4.87	0.00	194.8 (1-Lane)
1.600	3.39	7.65	0.00	135.5 (2-Lane)
1.600	3.97	8.92	0.00	158.8 (1-Lane)
1.700	4.25	17.72	0.00	169.9 (2-Lane)
1.700	4.88	20.34	0.00	195.0 (1-Lane)
1.800	2.90	28.35	0.00	116.0 (2-Lane)
1.800	3.33	32.54	0.00	133.1 (1-Lane)
1.900	2.99	92.21	0.00	119.7 (2-Lane)
1.900	3.43	105.83	0.00	137.4 (1-Lane)
1.949	2.18	220.33	0.00	87.3 (2-Lane)
1.949	2.51	252.89	0.00	100.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1069

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00
1.200	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00
1.300	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00
1.400	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00
1.500	692.1	99.2	605.44 R	0.00	455.22	0.00	452.71 R	0.00
1.600	664.5	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00
1.700	581.4	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00
1.800	443.0	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00
1.900	249.2	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00

1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

9999999_20120831cy17_FlexuralRpt.txt

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Moment Resistance		Bending Bott.	Bending Bott.	Available Resistance for LL+I			
	Positive Top	Negative Top			Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	889.2 (2-Lane)
1.100	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.200	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.300	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.300	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.400	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.400	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	350.5 (2-Lane)
1.500	11.72	999.00	11.72	999.00	0.00	468.8 (1-Lane)
1.600	9.35	999.00	9.35	999.00	0.00	373.9 (2-Lane)
1.600	12.50	999.00	12.50	999.00	0.00	500.1 (1-Lane)
1.700	9.99	999.00	9.99	999.00	0.00	399.7 (2-Lane)
1.700	13.36	999.00	13.36	999.00	0.00	534.6 (1-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	515.4 (2-Lane)
1.800	17.23	999.00	17.23	999.00	0.00	689.3 (1-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	884.5 (2-Lane)
1.900	29.57	999.00	29.57	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	55.98	0.00	42.09	0.00	48.77	0.00	36.67	0.00
1.100	43.8	5.6	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	29.3	4.2	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	19.5	2.8	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	9.8	1.4	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-9.8	-1.4	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-19.5	-2.8	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00
1.800	-29.3	-4.2	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90	0.00
1.900	-39.0	-5.6	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80	0.00
1.949	-43.7	-12.5	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	84.2	30.6	114.8	-126.0	103.7 (2-Lane)
1.400	85.5	30.6	116.1	-127.2	104.9 (1-Lane)
1.500	45.2	48.2	93.4	-93.4	93.4 (2-Lane)
1.500	44.5	48.2	92.7	-92.7	92.7 (1-Lane)
1.600	84.2	30.6	114.8	-103.7	126.0 (2-Lane)
1.600	85.5	30.6	116.1	-104.9	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	266.65	2.44	0.00	97.7 (2-Lane)
1.051	306.05	2.80	0.00	112.1 (1-Lane)
1.100	111.27	3.27	0.00	130.7 (2-Lane)
1.100	127.71	3.75	0.00	150.0 (1-Lane)
1.200	34.43	3.37	0.00	134.8 (2-Lane)
1.200	39.51	3.87	0.00	154.8 (1-Lane)
1.300	21.52	4.97	0.00	198.7 (2-Lane)
1.300	24.70	5.70	0.00	228.1 (1-Lane)
1.400	8.66	3.95	0.00	158.2 (2-Lane)
1.400	10.04	4.60	0.00	183.8 (1-Lane)
1.500	4.58	4.58	0.00	183.3 (2-Lane)
1.500	5.22	5.22	0.00	208.8 (1-Lane)
1.600	3.96	8.66	0.00	158.2 (2-Lane)
1.600	4.60	10.04	0.00	183.8 (1-Lane)
1.700	4.97	21.52	0.00	198.7 (2-Lane)
1.700	5.70	24.70	0.00	228.1 (1-Lane)
1.800	3.37	34.43	0.00	134.8 (2-Lane)
1.800	3.87	39.51	0.00	154.8 (1-Lane)
1.900	3.49	111.96	0.00	139.5 (2-Lane)
1.900	4.00	128.51	0.00	160.1 (1-Lane)
1.949	2.55	267.55	0.00	101.9 (2-Lane)

9999999_20120831cy17_FlexuralRpt.txt
1.949 2.92 307.08 0.00 116.9 (1-Lane)
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1076

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	LL	LL	LL				
			1.35		1.35					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	99.2	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1077

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.38	999.00	20.38	999.00	0.00	550.3 (2-Lane)
1.100	27.26	999.00	27.26	999.00	0.00	736.0 (1-Lane)
1.200	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.200	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.300	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.500	7.06	999.00	7.06	999.00	0.00	190.5 (2-Lane)
1.500	9.44	999.00	9.44	999.00	0.00	254.8 (1-Lane)

1.600	7.30	999.00	7.30	999.00	0.00	197.1 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	263.6 (1-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	228.7 (2-Lane)
1.700	11.33	999.00	11.33	999.00	0.00	305.9 (1-Lane)
1.800	11.17	999.00	11.17	999.00	0.00	301.6 (2-Lane)
1.800	14.94	999.00	14.94	999.00	0.00	403.4 (1-Lane)
1.900	20.27	999.00	20.27	999.00	0.00	547.4 (2-Lane)
1.900	27.11	999.00	27.11	999.00	0.00	732.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	43.8	5.6	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	29.3	4.2	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	19.5	2.8	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	9.8	1.4	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-9.8	-1.4	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-19.5	-2.8	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-29.3	-4.2	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-39.0	-5.6	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-43.7	-12.5	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	90.5	30.6	121.1	-132.2	109.9 (2-Lane)
1.400	92.6	30.6	123.1	-134.3	112.0 (1-Lane)
1.500	52.6	48.2	100.8	-100.8	100.8 (2-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (1-Lane)
1.600	90.5	30.6	121.1	-109.9	132.2 (2-Lane)
1.600	92.6	30.6	123.1	-112.0	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.29	0.00	61.8 (2-Lane)
1.051	252.04	2.63	0.00	70.9 (1-Lane)
1.100	91.64	3.00	0.00	80.9 (2-Lane)
1.100	105.17	3.44	0.00	92.8 (1-Lane)
1.200	26.14	2.92	0.00	78.9 (2-Lane)
1.200	30.01	3.36	0.00	90.6 (1-Lane)
1.300	15.53	3.97	0.00	107.3 (2-Lane)
1.300	17.82	4.56	0.00	123.2 (1-Lane)
1.400	6.45	3.16	0.00	85.2 (2-Lane)
1.400	7.52	3.69	0.00	99.7 (1-Lane)
1.500	3.65	3.65	0.00	98.4 (2-Lane)
1.500	4.17	4.17	0.00	112.7 (1-Lane)
1.600	3.16	6.45	0.00	85.2 (2-Lane)
1.600	3.69	7.52	0.00	99.7 (1-Lane)
1.700	3.97	15.53	0.00	107.3 (2-Lane)
1.700	4.56	17.82	0.00	123.2 (1-Lane)
1.800	2.92	26.14	0.00	78.9 (2-Lane)
1.800	3.36	30.01	0.00	90.6 (1-Lane)
1.900	3.20	92.21	0.00	86.3 (2-Lane)
1.900	3.67	105.83	0.00	99.1 (1-Lane)
1.949	2.38	220.33	0.00	64.4 (2-Lane)
1.949	2.74	252.89	0.00	73.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00
1.200	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00
1.300	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00
1.400	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00
1.500	692.1	99.2	820.37 R	0.00	616.82	0.00	613.42 R	0.00
1.600	664.5	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00
1.700	581.4	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00
1.800	443.0	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00
1.900	249.2	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.36	999.00	18.36	999.00	0.00	569.3 (2-Lane)
1.100	24.56	999.00	24.56	999.00	0.00	761.4 (1-Lane)
1.200	10.12	999.00	10.12	999.00	0.00	313.6 (2-Lane)
1.200	13.53	999.00	13.53	999.00	0.00	419.4 (1-Lane)
1.300	7.64	999.00	7.64	999.00	0.00	236.9 (2-Lane)
1.300	10.22	999.00	10.22	999.00	0.00	316.8 (1-Lane)
1.400	6.61	999.00	6.61	999.00	0.00	204.9 (2-Lane)
1.400	8.84	999.00	8.84	999.00	0.00	274.0 (1-Lane)
1.500	6.47	999.00	6.47	999.00	0.00	200.5 (2-Lane)
1.500	8.65	999.00	8.65	999.00	0.00	268.1 (1-Lane)
1.600	6.61	999.00	6.61	999.00	0.00	204.9 (2-Lane)
1.600	8.84	999.00	8.84	999.00	0.00	274.0 (1-Lane)
1.700	7.64	999.00	7.64	999.00	0.00	236.9 (2-Lane)
1.700	10.22	999.00	10.22	999.00	0.00	316.8 (1-Lane)
1.800	10.12	999.00	10.12	999.00	0.00	313.6 (2-Lane)
1.800	13.53	999.00	13.53	999.00	0.00	419.4 (1-Lane)
1.900	18.27	999.00	18.27	999.00	0.00	566.3 (2-Lane)
1.900	24.43	999.00	24.43	999.00	0.00	757.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	5.6	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.2	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	2.8	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.4	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.4	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-2.8	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.2	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-5.6	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-12.5	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)

1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.4	30.6	122.0	-133.1	110.8 (2-Lane)
1.400	93.9	30.6	124.5	-135.6	113.3 (1-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (2-Lane)
1.500	53.6	48.2	101.8	-101.8	101.8 (1-Lane)
1.600	91.4	30.6	122.0	-110.8	133.1 (2-Lane)
1.600	93.9	30.6	124.5	-113.3	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	219.59	2.06	0.00	63.8 (2-Lane)
1.051	252.04	2.36	0.00	73.2 (1-Lane)
1.100	91.64	2.70	0.00	83.7 (2-Lane)
1.100	105.17	3.10	0.00	96.0 (1-Lane)
1.200	26.14	2.65	0.00	82.1 (2-Lane)
1.200	30.01	3.04	0.00	94.2 (1-Lane)
1.300	14.52	3.62	0.00	112.3 (2-Lane)
1.300	16.67	4.16	0.00	128.9 (1-Lane)
1.400	6.23	2.93	0.00	90.9 (2-Lane)
1.400	7.28	3.44	0.00	106.6 (1-Lane)
1.500	3.44	3.44	0.00	106.7 (2-Lane)
1.500	3.95	3.95	0.00	122.4 (1-Lane)
1.600	2.93	6.23	0.00	90.9 (2-Lane)
1.600	3.44	7.28	0.00	106.6 (1-Lane)
1.700	3.62	14.52	0.00	112.3 (2-Lane)
1.700	4.16	16.67	0.00	128.9 (1-Lane)
1.800	2.65	26.14	0.00	82.1 (2-Lane)
1.800	3.04	30.01	0.00	94.2 (1-Lane)
1.900	2.88	92.21	0.00	89.3 (2-Lane)
1.900	3.31	105.83	0.00	102.5 (1-Lane)
1.949	2.14	220.33	0.00	66.5 (2-Lane)
1.949	2.46	252.89	0.00	76.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL	1.35	LL	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	335.78 R	0.00	252.47	0.00	251.08 R	0.00
1.200	443.0	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00
1.300	581.4	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00
1.400	664.5	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00
1.500	692.1	99.2	914.24 R	0.00	687.40	0.00	683.61 R	0.00
1.600	664.5	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00
1.700	581.4	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00
1.800	443.0	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00
1.900	249.2	35.7	335.78 R	0.00	252.47	0.00	251.07 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
 Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
 Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.40	999.00	17.40	999.00	0.00	604.7 (2-Lane)
1.100	23.27	999.00	23.27	999.00	0.00	808.7 (1-Lane)
1.200	9.23	999.00	9.23	999.00	0.00	320.7 (2-Lane)
1.200	12.34	999.00	12.34	999.00	0.00	428.9 (1-Lane)
1.300	6.90	999.00	6.90	999.00	0.00	239.9 (2-Lane)
1.300	9.23	999.00	9.23	999.00	0.00	320.8 (1-Lane)
1.400	6.01	999.00	6.01	999.00	0.00	208.9 (2-Lane)
1.400	8.04	999.00	8.04	999.00	0.00	279.4 (1-Lane)
1.500	5.80	999.00	5.80	999.00	0.00	201.7 (2-Lane)
1.500	7.76	999.00	7.76	999.00	0.00	269.7 (1-Lane)
1.600	6.01	999.00	6.01	999.00	0.00	208.9 (2-Lane)
1.600	8.04	999.00	8.04	999.00	0.00	279.4 (1-Lane)
1.700	6.90	999.00	6.90	999.00	0.00	239.9 (2-Lane)
1.700	9.23	999.00	9.23	999.00	0.00	320.8 (1-Lane)
1.800	9.23	999.00	9.23	999.00	0.00	320.7 (2-Lane)
1.800	12.34	999.00	12.34	999.00	0.00	428.9 (1-Lane)
1.900	17.31	999.00	17.31	999.00	0.00	601.5 (2-Lane)
1.900	23.15	999.00	23.15	999.00	0.00	804.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER
 Rating Live Load: SU6

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load w/o Truck	impact Lane	Live Load w/impact Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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1.051	46.2	6.3	70.40	0.00	52.93	0.00	61.33	0.00	46.12
1.100	43.8	5.6	65.92	0.00	49.56	0.00	57.43	0.00	43.18
1.200	29.3	4.2	56.71	0.00	42.64	0.00	49.41	0.00	37.15
1.300	19.5	2.8	47.50	0.00	35.71	0.00	41.39	0.00	31.12
1.400	9.8	1.4	38.29	0.00	28.79	0.00	33.36	0.00	25.08
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05
1.600	-9.8	-1.4	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08
1.700	-19.5	-2.8	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12
1.800	-29.3	-4.2	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15
1.900	-39.0	-5.6	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18
1.949	-43.7	-12.5	-70.40	0.00	-52.93	0.00	-61.33	0.00	-46.12
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-OPER

Rating Live Load:

SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.6	30.6	119.2	-130.4	108.1 (2-Lane)
1.400	91.5	30.6	122.1	-133.2	110.9 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	50.9	48.2	99.2	-99.2	99.2 (1-Lane)
1.600	88.6	30.6	119.2	-108.1	130.4 (2-Lane)
1.600	91.5	30.6	122.1	-110.9	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-OPER

Rating Live Load:

SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.94	0.00	67.5 (2-Lane)
1.051	372.58	2.23	0.00	77.5 (1-Lane)
1.100	154.95	2.56	0.00	88.9 (2-Lane)
1.100	177.85	2.94	0.00	102.0 (1-Lane)
1.200	33.04	2.53	0.00	88.0 (2-Lane)
1.200	37.92	2.91	0.00	101.0 (1-Lane)
1.300	16.18	3.51	0.00	122.0 (2-Lane)
1.300	18.57	4.03	0.00	140.1 (1-Lane)
1.400	6.28	2.82	0.00	98.1 (2-Lane)
1.400	7.37	3.32	0.00	115.5 (1-Lane)
1.500	3.40	3.40	0.00	118.2 (2-Lane)
1.500	3.91	3.91	0.00	136.0 (1-Lane)
1.600	2.82	6.28	0.00	98.1 (2-Lane)
1.600	3.32	7.37	0.00	115.5 (1-Lane)
1.700	3.51	16.18	0.00	122.0 (2-Lane)
1.700	4.03	18.57	0.00	140.1 (1-Lane)
1.800	2.53	33.04	0.00	88.0 (2-Lane)
1.800	2.91	37.92	0.00	101.0 (1-Lane)
1.900	2.73	155.92	0.00	94.8 (2-Lane)
1.900	3.13	178.95	0.00	108.9 (1-Lane)
1.949	2.03	325.71	0.00	70.4 (2-Lane)
1.949	2.32	373.83	0.00	80.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.200	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.300	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.400	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.500	692.1	99.2	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00
1.600	664.5	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.700	581.4	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.800	443.0	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.900	249.2	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1098

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1099

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.63	999.00	16.63	999.00	0.00	644.4 (2-Lane)
1.100	22.24	999.00	22.24	999.00	0.00	861.8 (1-Lane)
1.200	8.82	999.00	8.82	999.00	0.00	341.8 (2-Lane)
1.200	11.80	999.00	11.80	999.00	0.00	457.2 (1-Lane)
1.300	6.41	999.00	6.41	999.00	0.00	248.5 (2-Lane)
1.300	8.58	999.00	8.58	999.00	0.00	332.3 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	215.8 (2-Lane)
1.400	7.45	999.00	7.45	999.00	0.00	288.6 (1-Lane)
1.500	5.35	999.00	5.35	999.00	0.00	207.2 (2-Lane)
1.500	7.15	999.00	7.15	999.00	0.00	277.1 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	215.8 (2-Lane)
1.600	7.45	999.00	7.45	999.00	0.00	288.6 (1-Lane)

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1.700	6.41	999.00	6.41	999.00	0.00 248.5 (2-Lane)
1.700	8.58	999.00	8.58	999.00	0.00 332.3 (1-Lane)
1.800	8.82	999.00	8.82	999.00	0.00 341.8 (2-Lane)
1.800	11.80	999.00	11.80	999.00	0.00 457.2 (1-Lane)
1.900	16.54	999.00	16.54	999.00	0.00 641.0 (2-Lane)
1.900	22.12	999.00	22.12	999.00	0.00 857.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU7

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.3	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	5.6	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.2	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	2.8	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.4	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-12.5	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1101

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU7

Vc	Shear Resistance		Available Resistance for LL+I	
	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	-211.4	166.8 (1-Lane)
1.400	85.7	30.6	-127.4	105.1 (2-Lane)
1.400	88.8	30.6	-130.5	108.2 (1-Lane)
1.500	48.0	48.2	-96.3	96.3 (2-Lane)
1.500	48.5	48.2	-96.8	96.8 (1-Lane)
1.600	85.7	30.6	-105.1	127.4 (2-Lane)
1.600	88.8	30.6	-108.2	130.5 (1-Lane)
1.700	106.5	82.6	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-OPER

Rating Live Load: SU7

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	324.62	1.85	0.00	71.6 (2-Lane)
1.051	372.58	2.12	0.00	82.2 (1-Lane)
1.100	175.50	2.44	0.00	94.7 (2-Lane)
1.100	201.43	2.81	0.00	108.7 (1-Lane)
1.200	43.62	2.45	0.00	94.8 (2-Lane)
1.200	50.06	2.81	0.00	108.8 (1-Lane)
1.300	18.56	3.44	0.00	133.5 (2-Lane)
1.300	21.30	3.95	0.00	153.2 (1-Lane)
1.400	6.51	2.75	0.00	106.7 (2-Lane)
1.400	7.65	3.25	0.00	126.1 (1-Lane)
1.500	3.40	3.40	0.00	131.7 (2-Lane)
1.500	3.92	3.92	0.00	151.9 (1-Lane)
1.600	2.75	6.51	0.00	106.7 (2-Lane)
1.600	3.25	7.65	0.00	126.1 (1-Lane)
1.700	3.44	18.56	0.00	133.5 (2-Lane)
1.700	3.95	21.30	0.00	153.2 (1-Lane)
1.800	2.45	43.62	0.00	94.8 (2-Lane)
1.800	2.81	50.06	0.00	108.8 (1-Lane)
1.900	2.61	176.60	0.00	101.1 (2-Lane)
1.900	2.99	202.69	0.00	116.0 (1-Lane)
1.949	1.93	325.71	0.00	74.7 (2-Lane)
1.949	2.21	373.83	0.00	85.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	346.03 R	260.17	258.74 R	194.54
1.200	443.0	63.5	602.06 R	452.67	450.18 R	338.48
1.300	581.4	83.3	768.09 R	577.51	574.33 R	431.83
1.400	664.5	95.2	863.15 R	648.98	645.41 R	485.27
1.500	692.1	99.2	880.89 R	662.32	658.67 R	495.24
1.600	664.5	95.2	863.15 R	648.98	645.41 R	485.27
1.700	581.4	83.3	768.09 R	577.51	574.33 R	431.83
1.800	443.0	63.5	602.06 R	452.67	450.18 R	338.48
1.900	249.2	35.7	346.03 R	260.17	258.74 R	194.54
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
 Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.89	999.00	16.89	999.00	0.00	422.1 (2-Lane)
1.100	22.58	999.00	22.58	999.00	0.00	564.6 (1-Lane)
1.200	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)
1.200	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.300	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.300	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.400	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.400	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	150.6 (2-Lane)
1.500	8.06	999.00	8.06	999.00	0.00	201.4 (1-Lane)
1.600	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.600	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.700	7.07	999.00	7.07	999.00	0.00	176.8 (2-Lane)
1.700	9.46	999.00	9.46	999.00	0.00	236.5 (1-Lane)
1.800	9.29	999.00	9.29	999.00	0.00	232.1 (2-Lane)
1.800	12.42	999.00	12.42	999.00	0.00	310.5 (1-Lane)
1.900	16.80	999.00	16.80	999.00	0.00	419.9 (2-Lane)
1.900	22.46	999.00	22.46	999.00	0.00	561.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	72.22	54.30	62.93	47.31
1.100	43.8	5.6	67.93	51.08	59.19	44.50
1.200	29.3	4.2	59.10	44.43	51.49	38.71
1.300	19.5	2.8	50.26	37.79	43.79	32.93
1.400	9.8	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-5.6	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-12.5	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
 Rating Live Load: 3

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)

1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.0	30.6	124.6	-135.8	113.5 (2-Lane)
1.400	96.8	30.6	127.4	-138.5	116.2 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	94.0	30.6	124.6	-113.5	135.8 (2-Lane)
1.600	96.8	30.6	127.4	-116.2	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.89	0.00	47.3 (2-Lane)
1.051	189.03	2.17	0.00	54.3 (1-Lane)
1.100	68.73	2.48	0.00	62.0 (2-Lane)
1.100	78.88	2.85	0.00	71.2 (1-Lane)
1.200	21.26	2.43	0.00	60.7 (2-Lane)
1.200	24.40	2.79	0.00	69.7 (1-Lane)
1.300	13.29	3.32	0.00	83.0 (2-Lane)
1.300	15.26	3.81	0.00	95.2 (1-Lane)
1.400	5.71	2.74	0.00	68.5 (2-Lane)
1.400	6.69	3.22	0.00	80.5 (1-Lane)
1.500	3.20	3.20	0.00	80.0 (2-Lane)
1.500	3.68	3.68	0.00	92.0 (1-Lane)
1.600	2.74	5.71	0.00	68.5 (2-Lane)
1.600	3.22	6.69	0.00	80.5 (1-Lane)
1.700	3.32	13.29	0.00	83.0 (2-Lane)
1.700	3.81	15.26	0.00	95.2 (1-Lane)
1.800	2.43	21.26	0.00	60.7 (2-Lane)
1.800	2.79	24.40	0.00	69.7 (1-Lane)
1.900	2.65	69.15	0.00	66.2 (2-Lane)
1.900	3.04	79.37	0.00	76.0 (1-Lane)
1.949	1.97	165.25	0.00	49.3 (2-Lane)
1.949	2.27	189.66	0.00	56.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	153.79 R	115.63	114.99 R	86.46
1.200	443.0	63.5	267.58 R	201.19	200.08 R	150.44
1.300	581.4	83.3	341.37 R	256.67	255.26 R	191.92
1.400	664.5	95.2	383.62 R	288.44	286.85 R	215.67
1.500	692.1	99.2	391.51 R	294.36	292.74 R	220.11
1.600	664.5	95.2	383.62 R	288.44	286.85 R	215.67
1.700	581.4	83.3	341.37 R	256.67	255.26 R	191.92
1.800	443.0	63.5	267.58 R	201.19	200.08 R	150.44
1.900	249.2	35.7	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1110

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance		Available Resistance for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	22.02	0.00	550.5 (2-Lane)
1.100	96.71	29.45	0.00	736.2 (1-Lane)
1.200	37.89	11.52	0.00	288.0 (2-Lane)
1.200	50.67	15.41	0.00	385.1 (1-Lane)
1.300	27.77	8.46	0.00	211.4 (2-Lane)
1.300	37.14	11.31	0.00	282.7 (1-Lane)
1.400	23.69	7.22	0.00	180.5 (2-Lane)
1.400	31.68	9.65	0.00	241.3 (1-Lane)
1.500	22.87	6.97	0.00	174.3 (2-Lane)
1.500	30.59	9.33	0.00	233.1 (1-Lane)
1.600	23.69	7.22	0.00	180.5 (2-Lane)
1.600	31.68	9.65	0.00	241.3 (1-Lane)
1.700	27.77	8.46	0.00	211.4 (2-Lane)
1.700	37.14	11.31	0.00	282.7 (1-Lane)
1.800	37.89	11.52	0.00	288.0 (2-Lane)
1.800	50.67	15.41	0.00	385.1 (1-Lane)
1.900	71.91	21.83	0.00	545.6 (2-Lane)
1.900	96.17	29.19	0.00	729.7 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1112

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL	LL	LL
	1.25	1.25	1.80	1.80				

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00

9999999_20120831cy17_FlexuralRpt.txt								
1.100	218.4	35.7	408.35 R	307.03	305.33 R	229.57		
1.200	443.0	63.5	672.70 R	505.79	503.00 R	378.19		
1.300	581.4	83.3	880.54 R	662.06	658.41 R	495.04		
1.400	664.5	95.2	974.81 R	732.94	728.90 R	548.05		
1.500	692.1	99.2	956.79 R	719.39	715.43 R	537.91		
1.600	664.5	95.2	974.81 R	732.94	728.90 R	548.05		
1.700	581.4	83.3	880.54 R	662.06	658.41 R	495.04		
1.800	443.0	63.5	672.70 R	505.79	503.00 R	378.19		
1.900	249.2	35.7	408.35 R	307.03	305.33 R	229.57		
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00		

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-LEGL

Rating Live Load:

3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-LEGL

Rating Live Load:

3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.31	999.00	14.31	999.00	0.00	572.3 (2-Lane)
1.100	19.14	999.00	19.14	999.00	0.00	765.4 (1-Lane)
1.200	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.200	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.300	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.300	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	219.0 (2-Lane)
1.400	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.500	5.55	999.00	5.55	999.00	0.00	221.8 (2-Lane)
1.500	7.42	999.00	7.42	999.00	0.00	296.6 (1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	219.0 (2-Lane)
1.600	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.700	6.17	999.00	6.17	999.00	0.00	246.8 (2-Lane)
1.700	8.25	999.00	8.25	999.00	0.00	330.0 (1-Lane)
1.800	8.31	999.00	8.31	999.00	0.00	332.4 (2-Lane)
1.800	11.11	999.00	11.11	999.00	0.00	444.6 (1-Lane)
1.900	14.23	999.00	14.23	999.00	0.00	569.3 (2-Lane)
1.900	19.03	999.00	19.03	999.00	0.00	761.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	69.38	52.16	60.45	45.45
1.100	43.8	5.6	80.16	60.27	69.85	52.52
1.200	29.3	4.2	66.03	49.65	57.53	43.26
1.300	19.5	2.8	52.36	39.37	45.62	34.30
1.400	9.8	1.4	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-9.8	-1.4	-40.67	-30.58	-35.43	-26.64
1.700	-19.5	-2.8	-52.36	-39.37	-45.62	-34.30
1.800	-29.3	-4.2	-66.03	-49.65	-57.53	-43.26
1.900	-39.0	-5.6	-80.16	-60.27	-69.85	-52.52
1.949	-43.7	-12.5	-87.03	-65.44	-75.83	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.3	30.6	118.9	-130.0	107.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (1-Lane)
1.600	88.3	30.6	118.9	-107.7	130.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	164.70	1.97	0.00	78.8 (2-Lane)
1.051	189.03	2.26	0.00	90.5 (1-Lane)
1.100	68.73	2.10	0.00	84.1 (2-Lane)
1.100	78.88	2.41	0.00	96.6 (1-Lane)
1.200	21.26	2.17	0.00	87.0 (2-Lane)
1.200	24.40	2.50	0.00	99.8 (1-Lane)
1.300	13.29	3.19	0.00	127.4 (2-Lane)
1.300	15.26	3.66	0.00	146.2 (1-Lane)
1.400	5.93	2.65	0.00	106.0 (2-Lane)
1.400	6.98	3.13	0.00	125.3 (1-Lane)
1.500	3.36	3.36	0.00	134.5 (2-Lane)
1.500	3.87	3.87	0.00	155.0 (1-Lane)
1.600	2.65	5.93	0.00	106.0 (2-Lane)
1.600	3.13	6.98	0.00	125.3 (1-Lane)
1.700	3.19	13.29	0.00	127.4 (2-Lane)

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1.700	3.66	15.26	0.00	146.2 (1-Lane)
1.800	2.17	21.26	0.00	87.0 (2-Lane)
1.800	2.50	24.40	0.00	99.8 (1-Lane)
1.900	2.24	69.15	0.00	89.8 (2-Lane)
1.900	2.58	79.37	0.00	103.0 (1-Lane)
1.949	1.64	165.25	0.00	65.5 (2-Lane)
1.949	1.88	189.66	0.00	75.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	(2-Lane)	(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	35.7	181.49 R	136.46	135.70 R		102.03	
1.200	443.0	63.5	298.98 R	224.79	223.56 R		168.09	
1.300	581.4	83.3	391.35 R	294.25	292.63 R		220.02	
1.400	664.5	95.2	433.25 R	325.75	323.96 R		243.58	
1.500	692.1	99.2	425.24 R	319.73	317.97 R		239.07	
1.600	664.5	95.2	433.25 R	325.75	323.96 R		243.58	
1.700	581.4	83.3	391.35 R	294.25	292.63 R		220.02	
1.800	443.0	63.5	298.98 R	224.79	223.55 R		168.09	
1.900	249.2	35.7	181.49 R	136.46	135.70 R		102.03	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1118

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0 (1-Lane)

1.200	33.91	999.00	10.31	999.00	0.00	412.4	(2-Lane)
1.200	45.35	999.00	13.79	999.00	0.00	551.5	(1-Lane)
1.300	24.23	999.00	7.38	999.00	0.00	295.0	(2-Lane)
1.300	32.40	999.00	9.86	999.00	0.00	394.6	(1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	255.7	(2-Lane)
1.400	28.05	999.00	8.55	999.00	0.00	341.9	(1-Lane)
1.500	21.06	999.00	6.42	999.00	0.00	256.8	(2-Lane)
1.500	28.16	999.00	8.59	999.00	0.00	343.4	(1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00	255.7	(2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00	341.9	(1-Lane)
1.700	24.23	999.00	7.38	999.00	0.00	295.0	(2-Lane)
1.700	32.40	999.00	9.86	999.00	0.00	394.6	(1-Lane)
1.800	33.91	999.00	10.31	999.00	0.00	412.4	(2-Lane)
1.800	45.35	999.00	13.79	999.00	0.00	551.5	(1-Lane)
1.900	60.94	999.00	18.49	999.00	0.00	739.8	(2-Lane)
1.900	81.50	999.00	24.73	999.00	0.00	989.3	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	350.45 R	263.50	262.05 R	197.03
1.200	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.300	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.400	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.500	692.1	99.2	807.25 R	606.96	603.61 R	453.84
1.600	664.5	95.2	761.27 R	572.38	569.23 R	427.99
1.700	581.4	83.3	724.75 R	544.92	541.92 R	407.46
1.800	443.0	63.5	578.51 R	434.97	432.57 R	325.24
1.900	249.2	35.7	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.67	999.00	16.67	999.00	0.00	666.9 (2-Lane)
1.100	22.30	999.00	22.30	999.00	0.00	891.9 (1-Lane)
1.200	9.66	999.00	9.66	999.00	0.00	386.5 (2-Lane)
1.200	12.92	999.00	12.92	999.00	0.00	516.9 (1-Lane)
1.300	7.49	999.00	7.49	999.00	0.00	299.8 (2-Lane)
1.300	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.400	7.01	999.00	7.01	999.00	0.00	280.4 (2-Lane)
1.400	9.38	999.00	9.38	999.00	0.00	375.0 (1-Lane)
1.500	6.57	999.00	6.57	999.00	0.00	262.9 (2-Lane)
1.500	8.79	999.00	8.79	999.00	0.00	351.6 (1-Lane)
1.600	7.01	999.00	7.01	999.00	0.00	280.4 (2-Lane)
1.600	9.38	999.00	9.38	999.00	0.00	375.0 (1-Lane)
1.700	7.49	999.00	7.49	999.00	0.00	299.8 (2-Lane)
1.700	10.02	999.00	10.02	999.00	0.00	401.0 (1-Lane)
1.800	9.66	999.00	9.66	999.00	0.00	386.5 (2-Lane)
1.800	12.92	999.00	12.92	999.00	0.00	516.9 (1-Lane)
1.900	16.58	999.00	16.58	999.00	0.00	663.4 (2-Lane)
1.900	22.18	999.00	22.18	999.00	0.00	887.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1123

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	74.64	56.12	65.03	48.90
1.100	43.8	5.6	68.80	51.73	59.94	45.07
1.200	29.3	4.2	56.79	42.70	49.48	37.20
1.300	19.5	2.8	44.77	33.66	39.01	29.33
1.400	9.8	1.4	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.4	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-2.8	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.2	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-5.6	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-12.5	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	89.3	30.6	119.9	-131.0	108.7 (2-Lane)
1.400	91.5	30.6	122.1	-133.3	111.0 (1-Lane)
1.500	50.5	48.2	98.8	-98.8	98.8 (2-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (1-Lane)
1.600	89.3	30.6	119.9	-108.7	131.0 (2-Lane)
1.600	91.5	30.6	122.1	-111.0	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)

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1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	199.99	1.83	0.00	73.3 (2-Lane)
1.051	229.54	2.10	0.00	84.1 (1-Lane)
1.100	83.45	2.45	0.00	98.0 (2-Lane)
1.100	95.78	2.81	0.00	112.5 (1-Lane)
1.200	25.82	2.53	0.00	101.1 (2-Lane)
1.200	29.63	2.90	0.00	116.1 (1-Lane)
1.300	16.14	3.73	0.00	149.0 (2-Lane)
1.300	18.52	4.28	0.00	171.0 (1-Lane)
1.400	6.76	3.11	0.00	124.5 (2-Lane)
1.400	7.89	3.64	0.00	145.8 (1-Lane)
1.500	3.63	3.63	0.00	145.4 (2-Lane)
1.500	4.17	4.17	0.00	166.8 (1-Lane)
1.600	3.11	6.76	0.00	124.5 (2-Lane)
1.600	3.64	7.89	0.00	145.8 (1-Lane)
1.700	3.73	16.14	0.00	149.0 (2-Lane)
1.700	4.28	18.52	0.00	171.0 (1-Lane)
1.800	2.53	25.82	0.00	101.1 (2-Lane)
1.800	2.90	29.63	0.00	116.1 (1-Lane)
1.900	2.62	83.97	0.00	104.6 (2-Lane)
1.900	3.00	96.38	0.00	120.1 (1-Lane)
1.949	1.91	200.66	0.00	76.4 (2-Lane)
1.949	2.19	230.31	0.00	87.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL	LL
			0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	155.76 R	117.11	116.46 R	87.57
1.200	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.300	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.400	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.500	692.1	99.2	358.78 R	269.76	268.27 R	201.71
1.600	664.5	95.2	338.34 R	254.39	252.99 R	190.22
1.700	581.4	83.3	322.11 R	242.19	240.85 R	181.09
1.800	443.0	63.5	257.12 R	193.32	192.25 R	144.55
1.900	249.2	35.7	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1126

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type:	3-3							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	0.00	999.0 (1-Lane)
1.200	39.43	999.00	0.00	479.5 (2-Lane)
1.200	52.74	999.00	0.00	641.3 (1-Lane)
1.300	29.43	999.00	0.00	358.5 (2-Lane)
1.300	39.36	999.00	0.00	479.4 (1-Lane)
1.400	26.85	999.00	0.00	327.4 (2-Lane)
1.400	35.92	999.00	0.00	437.8 (1-Lane)
1.500	24.96	999.00	0.00	304.4 (2-Lane)
1.500	33.38	999.00	0.00	407.0 (1-Lane)
1.600	26.85	999.00	0.00	327.4 (2-Lane)
1.600	35.92	999.00	0.00	437.8 (1-Lane)
1.700	29.43	999.00	0.00	358.5 (2-Lane)
1.700	39.36	999.00	0.00	479.4 (1-Lane)
1.800	39.43	999.00	0.00	479.5 (2-Lane)
1.800	52.74	999.00	0.00	641.3 (1-Lane)
1.900	71.00	999.00	0.00	862.0 (2-Lane)
1.900	94.96	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	35.7	339.76 R		255.46	254.05 R		191.01		
1.200	443.0	63.5	593.12 R		445.96	443.50 R		333.46		
1.300	581.4	83.3	760.09 R		571.49	568.34 R		427.33		
1.400	664.5	95.2	866.58 R		651.56	647.97 R		487.20		
1.500	692.1	99.2	891.18 R		670.06	666.37 R		501.03		
1.600	664.5	95.2	866.58 R		651.56	647.97 R		487.20		
1.700	581.4	83.3	760.09 R		571.49	568.34 R		427.33		
1.800	443.0	63.5	593.12 R		445.96	443.50 R		333.46		

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1.900 249.2 35.7 339.76 R 255.46 254.05 R 191.01
1.949 128.1 0.0 0.00 R 0.00 0.00 R 0.00
2.000 0.0 0.0 0.00 R 0.00 0.00 R 0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G06
Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G06
Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.20	999.00	17.20	999.00	0.00	464.3 (2-Lane)
1.100	23.00	999.00	23.00	999.00	0.00	621.0 (1-Lane)
1.200	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.200	12.60	999.00	12.60	999.00	0.00	340.3 (1-Lane)
1.300	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.300	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.400	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.500	5.95	999.00	5.95	999.00	0.00	160.7 (2-Lane)
1.500	7.96	999.00	7.96	999.00	0.00	215.0 (1-Lane)
1.600	6.16	999.00	6.16	999.00	0.00	166.3 (2-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	222.4 (1-Lane)
1.700	7.15	999.00	7.15	999.00	0.00	193.0 (2-Lane)
1.700	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.800	9.43	999.00	9.43	999.00	0.00	254.5 (2-Lane)
1.800	12.60	999.00	12.60	999.00	0.00	340.3 (1-Lane)
1.900	17.11	999.00	17.11	999.00	0.00	461.9 (2-Lane)
1.900	22.88	999.00	22.88	999.00	0.00	617.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1131
SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G06
Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	1.25	DW	1.25	LL	1.60	LL	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	70.82	53.25	61.71	46.40
1.100	43.8	5.6	66.70	50.15	58.11	43.69
1.200	29.3	4.2	58.22	43.77	50.73	38.14
1.300	19.5	2.8	49.74	37.40	43.34	32.58
1.400	9.8	1.4	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.4	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-2.8	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.2	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-5.6	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-12.5	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	93.6	30.6	124.2	-135.4	113.1 (2-Lane)
1.400	96.4	30.6	127.0	-138.2	115.9 (1-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (2-Lane)
1.500	56.3	48.2	104.6	-104.6	104.6 (1-Lane)
1.600	93.6	30.6	124.2	-113.1	135.4 (2-Lane)
1.600	96.4	30.6	127.0	-115.9	138.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.93	0.00	52.1 (2-Lane)
1.051	212.66	2.22	0.00	59.8 (1-Lane)
1.100	77.32	2.53	0.00	68.2 (2-Lane)
1.100	88.74	2.90	0.00	78.3 (1-Lane)
1.200	22.06	2.47	0.00	66.6 (2-Lane)
1.200	25.32	2.83	0.00	76.4 (1-Lane)
1.300	13.10	3.35	0.00	90.5 (2-Lane)
1.300	15.04	3.85	0.00	103.9 (1-Lane)
1.400	5.57	2.74	0.00	74.0 (2-Lane)
1.400	6.53	3.22	0.00	87.0 (1-Lane)
1.500	3.18	3.18	0.00	85.9 (2-Lane)
1.500	3.66	3.66	0.00	98.9 (1-Lane)
1.600	2.74	5.57	0.00	74.0 (2-Lane)
1.600	3.22	6.53	0.00	87.0 (1-Lane)
1.700	3.35	13.10	0.00	90.5 (2-Lane)
1.700	3.85	15.04	0.00	103.9 (1-Lane)
1.800	2.47	22.06	0.00	66.6 (2-Lane)
1.800	2.83	25.32	0.00	76.4 (1-Lane)
1.900	2.70	77.80	0.00	72.8 (2-Lane)
1.900	3.10	89.29	0.00	83.6 (1-Lane)

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1.949	2.01	185.91	0.00	54.3 (2-Lane)
1.949	2.31	213.37	0.00	62.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1134

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	LL	
	1.00	1.00	0.80	
				(2-Lane)
				(1-Lane)
				LL
				0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00		0.00 R		0.00	
1.051	112.2	0.0	0.00 R		0.00		0.00 R		0.00	
1.100	218.4	35.7	169.88 R		127.73	127.02 R			95.51	
1.200	443.0	63.5	296.56 R		222.98	221.75 R			166.73	
1.300	581.4	83.3	380.04 R		285.75	284.17 R			213.66	
1.400	664.5	95.2	433.29 R		325.78	323.99 R			243.60	
1.500	692.1	99.2	445.59 R		335.03	333.18 R			250.51	
1.600	664.5	95.2	433.29 R		325.78	323.99 R			243.60	
1.700	581.4	83.3	380.04 R		285.75	284.17 R			213.66	
1.800	443.0	63.5	296.56 R		222.98	221.75 R			166.73	
1.900	249.2	35.7	169.88 R		127.73	127.02 R			95.51	
1.949	128.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1134

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1135

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.19	999.00	10.39	999.00	0.00	280.6 (2-Lane)
1.200	45.72	999.00	13.90	999.00	0.00	375.3 (1-Lane)
1.300	24.95	999.00	7.59	999.00	0.00	205.1 (2-Lane)
1.300	33.36	999.00	10.16	999.00	0.00	274.3 (1-Lane)
1.400	20.97	999.00	6.39	999.00	0.00	172.6 (2-Lane)

1.400	28.05	999.00	8.55	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 230.8 (1-Lane)
1.500	20.10	999.00	6.13	999.00	0.00 165.4 (2-Lane)
1.500	26.88	999.00	8.19	999.00	0.00 221.2 (1-Lane)
1.600	20.97	999.00	6.39	999.00	0.00 172.6 (2-Lane)
1.600	28.05	999.00	8.55	999.00	0.00 230.8 (1-Lane)
1.700	24.95	999.00	7.59	999.00	0.00 205.1 (2-Lane)
1.700	33.36	999.00	10.16	999.00	0.00 274.3 (1-Lane)
1.800	34.19	999.00	10.39	999.00	0.00 280.6 (2-Lane)
1.800	45.72	999.00	13.90	999.00	0.00 375.3 (1-Lane)
1.900	65.10	999.00	19.76	999.00	0.00 533.5 (2-Lane)
1.900	87.07	999.00	26.42	999.00	0.00 713.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	377.07 R	283.51	281.95 R	211.99
1.200	443.0	63.5	654.95 R	492.44	489.73 R	368.21
1.300	581.4	83.3	842.64 R	633.56	630.07 R	473.74
1.400	664.5	95.2	957.06 R	719.59	715.63 R	538.07
1.500	692.1	99.2	972.29 R	731.04	727.01 R	546.62
1.600	664.5	95.2	957.06 R	719.59	715.63 R	538.07
1.700	581.4	83.3	842.64 R	633.56	630.07 R	473.74
1.800	443.0	63.5	654.95 R	492.44	489.73 R	368.21
1.900	249.2	35.7	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1137

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU5

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating bottom fiber +bend	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.49	999.00	15.49	999.00	0.00	480.4 (2-Lane)
1.100	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.200	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.300	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.300	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.400	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.400	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.500	5.46	999.00	5.46	999.00	0.00	169.2 (2-Lane)
1.500	7.30	999.00	7.30	999.00	0.00	226.2 (1-Lane)
1.600	5.58	999.00	5.58	999.00	0.00	172.9 (2-Lane)
1.600	7.46	999.00	7.46	999.00	0.00	231.2 (1-Lane)
1.700	6.45	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.700	8.62	999.00	8.62	999.00	0.00	267.3 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	264.6 (2-Lane)
1.800	11.41	999.00	11.41	999.00	0.00	353.9 (1-Lane)
1.900	15.41	999.00	15.41	999.00	0.00	477.8 (2-Lane)
1.900	20.61	999.00	20.61	999.00	0.00	639.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	78.76	59.22	68.62	51.59
1.100	43.8	5.6	74.03	55.66	64.50	48.49
1.200	29.3	4.2	64.29	48.34	56.01	42.11
1.300	19.5	2.8	54.55	41.02	47.53	35.74
1.400	9.8	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-5.6	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-12.5	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	94.5	30.6	125.1	-136.2	113.9 (2-Lane)
1.400	97.7	30.6	128.3	-139.4	117.1 (1-Lane)
1.500	57.0	48.2	105.2	-105.2	105.2 (2-Lane)
1.500	57.5	48.2	105.8	-105.8	105.8 (1-Lane)
1.600	94.5	30.6	125.1	-113.9	136.2 (2-Lane)
1.600	97.7	30.6	128.3	-117.1	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	185.28	1.74	0.00	53.8 (2-Lane)
1.051	212.66	1.99	0.00	61.8 (1-Lane)
1.100	77.32	2.28	0.00	70.6 (2-Lane)
1.100	88.74	2.61	0.00	81.0 (1-Lane)
1.200	22.06	2.23	0.00	69.2 (2-Lane)
1.200	25.32	2.56	0.00	79.5 (1-Lane)
1.300	12.25	3.06	0.00	94.8 (2-Lane)
1.300	14.06	3.51	0.00	108.8 (1-Lane)
1.400	5.38	2.54	0.00	78.8 (2-Lane)
1.400	6.32	3.00	0.00	93.0 (1-Lane)
1.500	3.00	3.00	0.00	93.0 (2-Lane)
1.500	3.46	3.46	0.00	107.3 (1-Lane)
1.600	2.54	5.38	0.00	78.8 (2-Lane)
1.600	3.00	6.32	0.00	93.0 (1-Lane)
1.700	3.06	12.25	0.00	94.8 (2-Lane)
1.700	3.51	14.06	0.00	108.8 (1-Lane)
1.800	2.23	22.06	0.00	69.2 (2-Lane)
1.800	2.56	25.32	0.00	79.5 (1-Lane)
1.900	2.43	77.80	0.00	75.3 (2-Lane)
1.900	2.79	89.29	0.00	86.5 (1-Lane)
1.949	1.81	185.91	0.00	56.1 (2-Lane)
1.949	2.08	213.37	0.00	64.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1142

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	188.54 R	141.76	140.97 R	106.00	106.00	106.00
1.200	443.0	63.5	327.47 R	246.22	244.86 R	184.11	184.11	184.11
1.300	581.4	83.3	421.32 R	316.78	315.04 R	236.87	236.87	236.87
1.400	664.5	95.2	478.53 R	359.80	357.81 R	269.03	269.03	269.03
1.500	692.1	99.2	486.14 R	365.52	363.51 R	273.31	273.31	273.31
1.600	664.5	95.2	478.53 R	359.80	357.81 R	269.03	269.03	269.03
1.700	581.4	83.3	421.32 R	316.78	315.04 R	236.87	236.87	236.87
1.800	443.0	63.5	327.47 R	246.22	244.86 R	184.11	184.11	184.11
1.900	249.2	35.7	188.54 R	141.76	140.97 R	106.00	106.00	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1142

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU5
Rating Live Load:

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Top	Available Resistance for LL+I Positive Bending Bott.	Available Resistance for LL+I Negative Bending Bott.
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1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S

Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.200	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.300	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.300	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.400	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.400	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.500	18.42	999.00	5.62	999.00	0.00	174.1 (2-Lane)
1.500	24.63	999.00	7.51	999.00	0.00	232.8 (1-Lane)
1.600	18.99	999.00	5.79	999.00	0.00	179.4 (2-Lane)
1.600	25.39	999.00	7.74	999.00	0.00	239.9 (1-Lane)
1.700	22.50	999.00	6.85	999.00	0.00	212.4 (2-Lane)
1.700	30.09	999.00	9.16	999.00	0.00	284.0 (1-Lane)
1.800	30.96	999.00	9.41	999.00	0.00	291.8 (2-Lane)
1.800	41.40	999.00	12.59	999.00	0.00	390.2 (1-Lane)
1.900	58.66	999.00	17.80	999.00	0.00	551.9 (2-Lane)
1.900	78.45	999.00	23.81	999.00	0.00	738.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	397.96 R	299.22	297.57 R	223.74
1.200	443.0	63.5	717.98 R	539.83	536.86 R	403.65
1.300	581.4	83.3	932.71 R	701.29	697.42 R	524.38
1.400	664.5	95.2	1052.03 R	791.00	786.64 R	591.46
1.500	692.1	99.2	1083.54 R	814.69	810.20 R	609.17
1.600	664.5	95.2	1052.03 R	791.00	786.64 R	591.46
1.700	581.4	83.3	932.71 R	701.29	697.42 R	524.38
1.800	443.0	63.5	717.98 R	539.83	536.86 R	403.65
1.900	249.2	35.7	397.96 R	299.22	297.57 R	223.74
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.300	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.400	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.500	6096.9	6096.9	0.0	0.0	5305.5	5305.5	-791.4	-791.4
1.600	6096.9	6096.9	0.0	0.0	5337.2	5337.2	-759.7	-759.7
1.700	6096.9	6096.9	0.0	0.0	5432.1	5432.1	-664.7	-664.7
1.800	6096.9	6096.9	0.0	0.0	5590.4	5590.4	-506.5	-506.5
1.900	6096.9	6096.9	0.0	0.0	5812.0	5812.0	-284.9	-284.9
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.68	999.00	14.68	999.00	0.00	510.2 (2-Lane)
1.100	19.64	999.00	19.64	999.00	0.00	682.3 (1-Lane)
1.200	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.200	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.300	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.400	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.400	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.500	4.90	999.00	4.90	999.00	0.00	170.2 (2-Lane)
1.500	6.55	999.00	6.55	999.00	0.00	227.6 (1-Lane)
1.600	5.07	999.00	5.07	999.00	0.00	176.3 (2-Lane)
1.600	6.78	999.00	6.78	999.00	0.00	235.8 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.4 (2-Lane)
1.700	7.79	999.00	7.79	999.00	0.00	270.7 (1-Lane)
1.800	7.79	999.00	7.79	999.00	0.00	270.6 (2-Lane)
1.800	10.41	999.00	10.41	999.00	0.00	361.9 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.5 (2-Lane)
1.900	19.53	999.00	19.53	999.00	0.00	678.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1147

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL
Rating Live Load: SU6

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane
1.000	48.8	0.0	0.00		0.00		0.00	
1.051	46.2	6.3	83.43		62.73		72.69	
1.100	43.8	5.6	78.13		58.74		68.07	
1.200	29.3	4.2	67.21		50.54		58.56	
							44.03	

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1.300	19.5	2.8	56.30	42.33	49.05
1.400	9.8	1.4	45.38	34.12	39.54
1.500	0.0	0.0	34.47	25.92	30.03
1.600	-9.8	-1.4	-45.38	-34.12	-39.54
1.700	-19.5	-2.8	-56.30	-42.33	-49.05
1.800	-29.3	-4.2	-67.21	-50.54	-58.56
1.900	-39.0	-5.6	-78.13	-58.74	-68.07
1.949	-43.7	-12.5	-83.43	-62.73	-72.69
2.000	-48.8	0.0	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-LEGL

Rating Live Load:

SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	91.3	30.6	121.9	-133.1	110.8 (2-Lane)
1.400	94.9	30.6	125.5	-136.6	114.3 (1-Lane)
1.500	53.6	48.2	101.9	-101.9	101.9 (2-Lane)
1.500	54.5	48.2	102.7	-102.7	102.7 (1-Lane)
1.600	91.3	30.6	121.9	-110.8	133.1 (2-Lane)
1.600	94.9	30.6	125.5	-114.3	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G06

Rating Type:

I-LEGL

Rating Live Load:

SU6

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.64	0.00	56.9 (2-Lane)
1.051	314.36	1.88	0.00	65.4 (1-Lane)
1.100	130.74	2.16	0.00	75.0 (2-Lane)
1.100	150.06	2.48	0.00	86.1 (1-Lane)
1.200	27.88	2.14	0.00	74.2 (2-Lane)
1.200	32.00	2.45	0.00	85.2 (1-Lane)
1.300	13.65	2.96	0.00	103.0 (2-Lane)
1.300	15.66	3.40	0.00	118.2 (1-Lane)
1.400	5.41	2.44	0.00	84.8 (2-Lane)
1.400	6.38	2.89	0.00	100.5 (1-Lane)
1.500	2.96	2.96	0.00	102.7 (2-Lane)
1.500	3.42	3.42	0.00	118.8 (1-Lane)
1.600	2.44	5.41	0.00	84.8 (2-Lane)
1.600	2.89	6.38	0.00	100.5 (1-Lane)
1.700	2.96	13.65	0.00	103.0 (2-Lane)
1.700	3.40	15.66	0.00	118.2 (1-Lane)
1.800	2.14	27.88	0.00	74.2 (2-Lane)
1.800	2.45	32.00	0.00	85.2 (1-Lane)
1.900	2.30	131.56	0.00	80.0 (2-Lane)
1.900	2.64	150.99	0.00	91.8 (1-Lane)
1.949	1.71	274.82	0.00	59.4 (2-Lane)
1.949	1.96	315.42	0.00	68.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG
 Rating Live Load: SU6

			(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	35.7	198.98 R	149.61	148.79 R		111.87	
1.200	443.0	63.5	358.99 R	269.92	268.43 R		201.83	
1.300	581.4	83.3	466.36 R	350.64	348.71 R		262.19	
1.400	664.5	95.2	526.02 R	395.50	393.32 R		295.73	
1.500	692.1	99.2	541.77 R	407.35	405.10 R		304.59	
1.600	664.5	95.2	526.02 R	395.50	393.32 R		295.73	
1.700	581.4	83.3	466.36 R	350.64	348.71 R		262.19	
1.800	443.0	63.5	358.99 R	269.92	268.43 R		201.83	
1.900	249.2	35.7	198.98 R	149.61	148.79 R		111.87	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S
 Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.24	999.00	8.59	999.00	0.00	298.4 (2-Lane)
1.200	37.77	999.00	11.48	999.00	0.00	399.0 (1-Lane)
1.300	20.33	999.00	6.19	999.00	0.00	215.1 (2-Lane)
1.300	27.19	999.00	8.28	999.00	0.00	287.7 (1-Lane)
1.400	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.400	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)
1.500	16.53	999.00	5.04	999.00	0.00	175.1 (2-Lane)
1.500	22.10	999.00	6.74	999.00	0.00	234.2 (1-Lane)
1.600	17.27	999.00	5.26	999.00	0.00	182.9 (2-Lane)
1.600	23.10	999.00	7.04	999.00	0.00	244.7 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.700	20.33	999.00	6.19	999.00	0.00 215.1 (2-Lane)
1.700	27.19	999.00	8.28	999.00	0.00 287.7 (1-Lane)
1.800	28.24	999.00	8.59	999.00	0.00 298.4 (2-Lane)
1.800	37.77	999.00	11.48	999.00	0.00 399.0 (1-Lane)
1.900	55.58	999.00	16.87	999.00	0.00 586.2 (2-Lane)
1.900	74.33	999.00	22.56	999.00	0.00 783.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G06			
Rating Type:		I-LEGL			
Rating Live Load:		SU7			
Gamma		(2-Lane)		(1-Lane)	
DC		LL		LL	
1.25		1.25		1.60	
DW		LL		LL	
1.25		1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	416.40 R	313.08	311.35 R	234.10
1.200	443.0	63.5	751.06 R	564.71	561.60 R	422.25
1.300	581.4	83.3	1004.00 R	754.88	750.72 R	564.45
1.400	664.5	95.2	1135.75 R	853.95	849.24 R	638.53
1.500	692.1	99.2	1175.91 R	884.14	879.27 R	661.11
1.600	664.5	95.2	1135.75 R	853.95	849.24 R	638.53
1.700	581.4	83.3	1004.00 R	754.88	750.72 R	564.45
1.800	443.0	63.5	751.06 R	564.71	561.60 R	422.25
1.900	249.2	35.7	416.40 R	313.08	311.35 R	234.10
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G06			
Rating Type:		I-LEGL			
Rating Live Load:		SU7			
Span		Moment Resistance		Available Resistance for LL+I	
Positive Top		Bending Bott.	Negative Top	Bending Bott.	Positive Bending Top
1.000		6096.9	0.0	0.0	6096.9 6096.9 0.0 0.0
1.051		6096.9	0.0	0.0	5984.7 5984.7 -112.2 -112.2
1.100		6096.9	0.0	0.0	5842.8 5842.8 -254.1 -254.1
1.200		6096.9	0.0	0.0	5590.4 5590.4 -506.5 -506.5
1.300		6096.9	0.0	0.0	5432.1 5432.1 -664.7 -664.7
1.400		6096.9	0.0	0.0	5337.2 5337.2 -759.7 -759.7
1.500		6096.9	0.0	0.0	5305.5 5305.5 -791.4 -791.4
1.600		6096.9	0.0	0.0	5337.2 5337.2 -759.7 -759.7
1.700		6096.9	0.0	0.0	5432.1 5432.1 -664.7 -664.7
1.800		6096.9	0.0	0.0	5590.4 5590.4 -506.5 -506.5
1.900		6096.9	0.0	0.0	5812.0 5812.0 -284.9 -284.9
1.949		6096.9	0.0	0.0	5968.8 5968.8 -128.1 -128.1
2.000		6096.9	0.0	0.0	6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G06			
Rating Type:		I-LEGL			
Rating Live Load:		SU7			
Span		Rating Factor		Rating Value	
top fiber +bend		bottom fiber -bend	bottom fiber -bend	Load Resistance (tons)	
1.000		999.00	999.00	0.00	999.0 (2-Lane)
1.000		999.00	999.00	0.00	999.0 (1-Lane)
1.051		999.00	999.00	0.00	999.0 (2-Lane)
1.051		999.00	999.00	0.00	999.0 (1-Lane)
1.100		14.03	14.03	0.00	543.7 (2-Lane)
1.100		18.77	18.77	0.00	727.2 (1-Lane)
1.200		7.44	7.44	0.00	288.4 (2-Lane)

1.200	9.95	999.00	9.95	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 385.7 (1-Lane)
1.300	5.41	999.00	5.41	999.00	0.00 209.7 (2-Lane)
1.300	7.24	999.00	7.24	999.00	0.00 280.4 (1-Lane)
1.400	4.70	999.00	4.70	999.00	0.00 182.1 (2-Lane)
1.400	6.28	999.00	6.28	999.00	0.00 243.5 (1-Lane)
1.500	4.51	999.00	4.51	999.00	0.00 174.8 (2-Lane)
1.500	6.03	999.00	6.03	999.00	0.00 233.8 (1-Lane)
1.600	4.70	999.00	4.70	999.00	0.00 182.1 (2-Lane)
1.600	6.28	999.00	6.28	999.00	0.00 243.5 (1-Lane)
1.700	5.41	999.00	5.41	999.00	0.00 209.7 (2-Lane)
1.700	7.24	999.00	7.24	999.00	0.00 280.4 (1-Lane)
1.800	7.44	999.00	7.44	999.00	0.00 288.4 (2-Lane)
1.800	9.95	999.00	9.95	999.00	0.00 385.7 (1-Lane)
1.900	13.96	999.00	13.96	999.00	0.00 540.9 (2-Lane)
1.900	18.67	999.00	18.67	999.00	0.00 723.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1155

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.3	87.66	65.91	76.38	57.43
1.100	43.8	5.6	81.75	61.46	71.22	53.55
1.200	29.3	4.2	69.57	52.31	60.62	45.58
1.300	19.5	2.8	57.40	43.16	50.01	37.60
1.400	9.8	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-5.6	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-12.5	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (2-Lane)
1.051	65.6	129.9	195.5	-254.3	136.7 (1-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (2-Lane)
1.100	74.9	143.2	218.0	-267.4	168.6 (1-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (2-Lane)
1.200	94.4	82.6	177.0	-210.5	143.6 (1-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (2-Lane)
1.300	106.5	82.6	189.1	-211.4	166.8 (1-Lane)
1.400	88.0	30.6	118.6	-129.7	107.5 (2-Lane)
1.400	91.8	30.6	122.4	-133.6	111.3 (1-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (2-Lane)
1.500	51.7	48.2	99.9	-99.9	99.9 (1-Lane)
1.600	88.0	30.6	118.6	-107.5	129.8 (2-Lane)
1.600	91.8	30.6	122.4	-111.3	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (2-Lane)
1.700	106.5	82.6	189.1	-166.8	211.4 (1-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (2-Lane)
1.800	94.4	82.6	177.0	-143.6	210.5 (1-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (2-Lane)
1.900	77.5	147.0	224.5	-179.9	269.1 (1-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (2-Lane)
1.949	67.0	131.9	198.8	-142.5	255.1 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: I-LEGL

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	273.90	1.56	0.00	60.4 (2-Lane)
1.051	314.36	1.79	0.00	69.4 (1-Lane)
1.100	148.08	2.06	0.00	79.9 (2-Lane)
1.100	169.96	2.37	0.00	91.7 (1-Lane)
1.200	36.80	2.06	0.00	80.0 (2-Lane)
1.200	42.24	2.37	0.00	91.8 (1-Lane)
1.300	15.66	2.91	0.00	112.6 (2-Lane)
1.300	17.98	3.34	0.00	129.2 (1-Lane)
1.400	5.59	2.38	0.00	92.1 (2-Lane)
1.400	6.61	2.82	0.00	109.4 (1-Lane)
1.500	2.95	2.95	0.00	114.2 (2-Lane)
1.500	3.42	3.42	0.00	132.4 (1-Lane)
1.600	2.38	5.59	0.00	92.1 (2-Lane)
1.600	2.82	6.61	0.00	109.4 (1-Lane)
1.700	2.91	15.66	0.00	112.6 (2-Lane)
1.700	3.34	17.98	0.00	129.2 (1-Lane)
1.800	2.06	36.80	0.00	80.0 (2-Lane)
1.800	2.37	42.24	0.00	91.8 (1-Lane)
1.900	2.20	149.00	0.00	85.3 (2-Lane)
1.900	2.53	171.02	0.00	97.9 (1-Lane)
1.949	1.63	274.82	0.00	63.0 (2-Lane)
1.949	1.87	315.42	0.00	72.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LG

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	208.20 R	156.54	155.68 R	117.05
1.200	443.0	63.5	375.53 R	282.35	280.80 R	211.13
1.300	581.4	83.3	502.00 R	377.44	375.36 R	282.23
1.400	664.5	95.2	567.88 R	426.97	424.62 R	319.26
1.500	692.1	99.2	587.96 R	442.07	439.63 R	330.55
1.600	664.5	95.2	567.88 R	426.97	424.62 R	319.26
1.700	581.4	83.3	502.00 R	377.44	375.36 R	282.23
1.800	443.0	63.5	375.53 R	282.35	280.80 R	211.13
1.900	249.2	35.7	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1158

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3

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9999999_20120831cy17_FlexuralRpt.txt
1.600      4.5      4.1      -4.5      -4.1      3.3      3.0      -6.0      -5.3
1.700      4.5      4.1      -4.5      -4.1      3.4      3.1      -5.8      -5.1
1.800      4.5      4.0      -4.5      -4.0      3.7      3.3      -5.5      -4.8
1.900      4.5      4.0      -4.5      -4.0      4.0      3.6      -5.0      -4.5
1.949      4.5      4.0      -4.5      -4.0      4.4      3.9      -4.7      -4.2
2.000      4.4      4.0      -4.4      -4.0      4.4      4.0      -4.4      -4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G06

Rating Type: III-LGL S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.200	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.300	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.300	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.400	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.400	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.500	15.23	999.00	4.64	999.00	0.00	179.9 (2-Lane)
1.500	20.37	999.00	6.21	999.00	0.00	240.6 (1-Lane)
1.600	16.00	999.00	4.88	999.00	0.00	189.0 (2-Lane)
1.600	21.40	999.00	6.52	999.00	0.00	252.7 (1-Lane)
1.700	18.89	999.00	5.75	999.00	0.00	222.8 (2-Lane)
1.700	25.26	999.00	7.69	999.00	0.00	298.0 (1-Lane)
1.800	27.00	999.00	8.21	999.00	0.00	318.1 (2-Lane)
1.800	36.11	999.00	10.98	999.00	0.00	425.4 (1-Lane)
1.900	53.12	999.00	16.12	999.00	0.00	624.7 (2-Lane)
1.900	71.04	999.00	21.56	999.00	0.00	835.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1159

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
System Factor: 1.000
ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF		0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF		0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID	G07		01-IG007							
Symmetry:										
Span Length:	Span 1		Span 2		Span 3		Span 4		Span 5	
	56.786		0.000		0.000		0.000		0.000	
Range Length -- Non-Composite:										
Span	Range	Range	Section	Section	Section	Hinge Location				
No.	No.	Length	Left	Right	Variation	No. 1	No. 2			
1	1	56.786	1	0		0.0	0.0			
Range Length -- Composite:										
Span	Range	Range	Composite							
No.	No.	Length	Code							
1	1	56.786	C							
Superimposed Dead Load:										
Span	Load	Dist. from	Distributed Load (lbs/ft)			Concentrated				
No.	Type	Left Supp.	Left	Right	Length	Load (kips)				
1	W	0.000	196.9	196.9	56.786	0.0				
1	Z	0.000	209.9	209.9	56.786	0.0				

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1159

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands	Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08	

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1160

SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Modulus Top	Section Modulus Bott.	Ecc	Prestressing Force Fi	Prestressing Force Total	Prestressing Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.2	796.0
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	487.4	806.8
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.0	813.2
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	478.8	815.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.0	813.2
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	487.4	806.8
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.2	796.0
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.3	780.8
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.6	771.6
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1161

SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Span	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia +Bend (n=n)	Moment of Inertia +Bend (n=3n)	Section Modulus Top	Section Modulus Bott.	Modulus +Bend (n=n)	Modulus +Bend (n=3n)	Bott.
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	

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1.200 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.300 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.400 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.500 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.600 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.700 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.800 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.900 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
1.949 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6
2.000 11.30 33.70 374993.6 242400.3 33108.6 11136.0 13153.4 9122.6

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1161
SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G07

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1162
MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G07

Rating Type:	I-INV			
Rating Live Load:	HL93			
Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane) 1.75	(1-Lane) 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	455.9	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	598.3	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	683.8	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	712.3	99.2	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	683.8	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	598.3	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	455.9	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	256.4	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1163
STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G07

Rating Type:	I-INV							
Rating Live Load:	HL93							
Span	Positive Bending Top	Moment Resistance Bending Bott.	Negative Bending Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1164
MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-INV
 Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.4 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.6 (1-Lane)
1.200	5.62	999.00	5.62	999.00	0.00	202.4 (2-Lane)
1.200	7.52	999.00	7.52	999.00	0.00	270.7 (1-Lane)
1.300	4.29	999.00	4.29	999.00	0.00	154.3 (2-Lane)
1.300	5.73	999.00	5.73	999.00	0.00	206.4 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	134.9 (2-Lane)
1.400	5.01	999.00	5.01	999.00	0.00	180.4 (1-Lane)
1.500	3.66	999.00	3.66	999.00	0.00	131.9 (2-Lane)
1.500	4.90	999.00	4.90	999.00	0.00	176.4 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	134.9 (2-Lane)
1.600	5.01	999.00	5.01	999.00	0.00	180.4 (1-Lane)
1.700	4.29	999.00	4.29	999.00	0.00	154.3 (2-Lane)
1.700	5.73	999.00	5.73	999.00	0.00	206.4 (1-Lane)
1.800	5.62	999.00	5.62	999.00	0.00	202.4 (2-Lane)
1.800	7.52	999.00	7.52	999.00	0.00	270.7 (1-Lane)
1.900	10.17	999.00	10.17	999.00	0.00	366.0 (2-Lane)
1.900	13.60	999.00	13.60	999.00	0.00	489.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1165

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-INV
 Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	118.11	0.00	94.04	0.00	102.90	0.00	81.94
1.100	46.1	5.6	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	30.1	4.2	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	20.1	2.8	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	10.0	1.4	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-10.0	-1.4	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-20.1	-2.8	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-30.1	-4.2	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-40.1	-5.6	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.949	-45.0	-12.5	-118.11	0.00	-94.04	0.00	-102.90	0.00	-81.94
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-INV
 Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)

1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	96.0	30.6	126.6	-138.0	115.2 (2-Lane)
1.400	100.9	30.6	131.5	-142.9	120.0 (1-Lane)
1.500	59.0	48.2	107.2	-107.2	107.2 (2-Lane)
1.500	60.8	48.2	109.0	-109.0	109.0 (1-Lane)
1.600	96.0	30.6	126.6	-115.2	138.0 (2-Lane)
1.600	100.9	30.6	131.5	-120.0	142.9 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.65	1.14	0.00	41.1 (2-Lane)
1.051	104.04	1.31	0.00	47.2 (1-Lane)
1.100	48.48	1.51	0.00	54.4 (2-Lane)
1.100	55.64	1.74	0.00	62.5 (1-Lane)
1.200	14.08	1.54	0.00	55.3 (2-Lane)
1.200	16.16	1.76	0.00	63.5 (1-Lane)
1.300	8.59	2.16	0.00	77.7 (2-Lane)
1.300	9.86	2.48	0.00	89.1 (1-Lane)
1.400	3.93	1.85	0.00	66.5 (2-Lane)
1.400	4.67	2.21	0.00	79.6 (1-Lane)
1.500	2.26	2.26	0.00	81.5 (2-Lane)
1.500	2.64	2.64	0.00	95.1 (1-Lane)
1.600	1.85	3.93	0.00	66.5 (2-Lane)
1.600	2.21	4.68	0.00	79.6 (1-Lane)
1.700	2.16	8.59	0.00	77.7 (2-Lane)
1.700	2.48	9.86	0.00	89.1 (1-Lane)
1.800	1.54	14.08	0.00	55.3 (2-Lane)
1.800	1.76	16.16	0.00	63.5 (1-Lane)
1.900	1.64	46.87	0.00	59.0 (2-Lane)
1.900	1.88	53.79	0.00	67.7 (1-Lane)
1.949	1.20	89.07	0.00	43.3 (2-Lane)
1.949	1.38	102.23	0.00	49.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-IN

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	364.7	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	478.7	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	547.0	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	569.8	79.4	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	547.0	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	478.7	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	364.7	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	205.1	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1168

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.60	999.00	12.97	999.00	0.00	467.0 (2-Lane)
1.100	56.98	999.00	17.35	999.00	0.00	624.6 (1-Lane)
1.200	22.30	999.00	6.77	999.00	0.00	243.7 (2-Lane)
1.200	29.82	999.00	9.05	999.00	0.00	325.9 (1-Lane)
1.300	16.36	999.00	4.97	999.00	0.00	178.9 (2-Lane)
1.300	21.88	999.00	6.65	999.00	0.00	239.3 (1-Lane)
1.400	13.94	999.00	4.24	999.00	0.00	152.6 (2-Lane)
1.400	18.65	999.00	5.67	999.00	0.00	204.1 (1-Lane)
1.500	13.52	999.00	4.11	999.00	0.00	148.0 (2-Lane)
1.500	18.08	999.00	5.50	999.00	0.00	197.9 (1-Lane)
1.600	13.94	999.00	4.24	999.00	0.00	152.6 (2-Lane)
1.600	18.65	999.00	5.67	999.00	0.00	204.1 (1-Lane)
1.700	16.36	999.00	4.97	999.00	0.00	178.9 (2-Lane)
1.700	21.88	999.00	6.65	999.00	0.00	239.3 (1-Lane)
1.800	22.30	999.00	6.77	999.00	0.00	243.7 (2-Lane)
1.800	29.82	999.00	9.05	999.00	0.00	325.9 (1-Lane)
1.900	42.31	999.00	12.83	999.00	0.00	461.9 (2-Lane)
1.900	56.59	999.00	17.16	999.00	0.00	617.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
								0.00

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1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54
1.200	455.9	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25
1.300	598.3	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13
1.400	683.8	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57
1.500	712.3	99.2	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89
1.600	683.8	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57
1.700	598.3	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13
1.800	455.9	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25
1.900	256.4	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH

MOMENT

RESISTANCE

REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G07									
Rating Type: I-INV									
Rating Live Load: HS20									
Span	Moment Resistance				Available Resistance for LL+I				
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1	
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4	
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7	
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0	
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5	
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0	
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7	
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4	
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1	
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT

RESISTANCE

RATING

REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G07									
Rating Type: I-INV									
Rating Live Load: HS20									
Span	Moment				Rating Value	Load Resistance (tons)			
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend					
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)		
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)		
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)		
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)		
1.100	12.61	999.00	12.61	999.00	252.15	453.9	(2-Lane)		
1.100	16.86	999.00	16.86	999.00	337.22	607.0	(1-Lane)		
1.200	6.96	999.00	6.96	999.00	139.29	250.7	(2-Lane)		
1.200	9.31	999.00	9.31	999.00	186.28	335.3	(1-Lane)		
1.300	5.35	999.00	5.35	999.00	106.99	192.6	(2-Lane)		
1.300	7.15	999.00	7.15	999.00	143.08	257.5	(1-Lane)		
1.400	4.70	999.00	4.70	999.00	93.93	169.1	(2-Lane)		
1.400	6.28	999.00	6.28	999.00	125.62	226.1	(1-Lane)		
1.500	4.62	999.00	4.62	999.00	92.44	166.4	(2-Lane)		
1.500	6.18	999.00	6.18	999.00	123.63	222.5	(1-Lane)		
1.600	4.70	999.00	4.70	999.00	93.93	169.1	(2-Lane)		
1.600	6.28	999.00	6.28	999.00	125.62	226.1	(1-Lane)		
1.700	5.35	999.00	5.35	999.00	106.99	192.6	(2-Lane)		
1.700	7.15	999.00	7.15	999.00	143.08	257.5	(1-Lane)		
1.800	6.96	999.00	6.96	999.00	139.29	250.7	(2-Lane)		
1.800	9.31	999.00	9.31	999.00	186.28	335.3	(1-Lane)		
1.900	12.53	999.00	12.53	999.00	250.51	450.9	(2-Lane)		
1.900	16.75	999.00	16.75	999.00	335.03	603.0	(1-Lane)		
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)		
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)		
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)		
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)		

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR

REPORT

Member I. D. G07

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	96.99	0.00	72.93	0.00	84.51	0.00	63.54
1.100	46.1	5.6	90.98	0.00	68.41	0.00	79.27	0.00	59.60
1.200	30.1	4.2	78.61	0.00	59.11	0.00	68.49	0.00	51.50
1.300	20.1	2.8	66.24	0.00	49.81	0.00	57.72	0.00	43.40
1.400	10.0	1.4	53.88	0.00	40.51	0.00	46.94	0.00	35.29
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19
1.600	-10.0	-1.4	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29
1.700	-20.1	-2.8	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40
1.800	-30.1	-4.2	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50
1.900	-40.1	-5.6	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60
1.949	-45.0	-12.5	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: HS20

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	97.4	30.6	128.0	-139.4	116.5 (2-Lane)
1.400	101.3	30.6	131.9	-143.3	120.4 (1-Lane)
1.500	59.4	48.2	107.7	-107.7	107.7 (2-Lane)
1.500	60.5	48.2	108.7	-108.7	108.7 (1-Lane)
1.600	97.4	30.6	128.0	-116.5	139.4 (2-Lane)
1.600	101.3	30.6	131.9	-120.4	143.3 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: HS20

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.65	1.39	27.81	50.1 (2-Lane)
1.051	104.04	1.60	31.92	57.5 (1-Lane)
1.100	49.07	1.83	36.56	65.8 (2-Lane)
1.100	56.32	2.10	41.97	75.5 (1-Lane)
1.200	19.32	1.83	36.60	65.9 (2-Lane)
1.200	22.18	2.10	42.00	75.6 (1-Lane)
1.300	10.99	2.53	50.63	91.1 (2-Lane)
1.300	12.61	2.91	58.11	104.6 (1-Lane)
1.400	4.58	2.16	43.26	77.9 (2-Lane)
1.400	5.41	2.57	51.31	92.4 (1-Lane)
1.500	2.59	2.59	51.88	93.4 (2-Lane)
1.500	3.01	3.01	60.12	108.2 (1-Lane)
1.600	2.16	4.58	43.26	77.9 (2-Lane)
1.600	2.57	5.41	51.31	92.4 (1-Lane)

1.700	2.53	10.99	50.63	91.1 (2-Lane)
1.700	2.91	12.61	58.11	104.6 (1-Lane)
1.800	1.83	19.32	36.60	65.9 (2-Lane)
1.800	2.10	22.18	42.00	75.6 (1-Lane)
1.900	1.98	49.44	39.64	71.3 (2-Lane)
1.900	2.28	56.75	45.49	81.9 (1-Lane)
1.949	1.47	91.03	29.29	52.7 (2-Lane)
1.949	1.68	104.47	33.62	60.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1176

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-IN
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	364.7	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	478.7	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	547.0	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	569.8	79.4	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	547.0	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	478.7	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	364.7	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	205.1	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1176

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HS20
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.50	999.00	15.98	999.00	319.70	575.5 (2-Lane)

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1.100	70.21	999.00	21.38	999.00	427.56 769.6 (1-Lane)
1.200	27.62	999.00	8.39	999.00	167.69 301.8 (2-Lane)
1.200	36.94	999.00	11.21	999.00	224.27 403.7 (1-Lane)
1.300	20.41	999.00	6.20	999.00	124.04 223.3 (2-Lane)
1.300	27.30	999.00	8.29	999.00	165.88 298.6 (1-Lane)
1.400	17.48	999.00	5.31	999.00	106.27 191.3 (2-Lane)
1.400	23.38	999.00	7.11	999.00	142.12 255.8 (1-Lane)
1.500	17.05	999.00	5.18	999.00	103.69 186.7 (2-Lane)
1.500	22.81	999.00	6.93	999.00	138.68 249.6 (1-Lane)
1.600	17.48	999.00	5.31	999.00	106.27 191.3 (2-Lane)
1.600	23.38	999.00	7.11	999.00	142.12 255.8 (1-Lane)
1.700	20.41	999.00	6.20	999.00	124.04 223.3 (2-Lane)
1.700	27.30	999.00	8.29	999.00	165.88 298.6 (1-Lane)
1.800	27.62	999.00	8.39	999.00	167.69 301.8 (2-Lane)
1.800	36.94	999.00	11.21	999.00	224.27 403.7 (1-Lane)
1.900	52.13	999.00	15.81	999.00	316.19 569.1 (2-Lane)
1.900	69.72	999.00	21.14	999.00	422.87 761.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1178

MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G07								
Rating Type:		I-INV								
Rating Live Load:		3								
Gamma		DC			(2-Lane)			(1-Lane)		
		1.25			LL			LL		
		1.25			1.75			1.75		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	455.9	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	598.3	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	683.8	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	712.3	99.2	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	683.8	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	598.3	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	455.9	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	256.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G07								
Rating Type:		I-INV								
Rating Live Load:		3								
Span		Moment Resistance				Available Resistance for LL+I				
		Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0		
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2		
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1		
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4		
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7		
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0		
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5		
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0		
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7		
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4		
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1		
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8		
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0		

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MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G07								
Rating Type:		I-INV								
Rating Live Load:		3								

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	17.37	999.00	17.37	999.00	0.00	434.2	(2-Lane)
1.100	23.23	999.00	23.23	999.00	0.00	580.7	(1-Lane)
1.200	9.53	999.00	9.53	999.00	0.00	238.2	(2-Lane)
1.200	12.74	999.00	12.74	999.00	0.00	318.6	(1-Lane)
1.300	7.25	999.00	7.25	999.00	0.00	181.3	(2-Lane)
1.300	9.70	999.00	9.70	999.00	0.00	242.5	(1-Lane)
1.400	6.34	999.00	6.34	999.00	0.00	158.4	(2-Lane)
1.400	8.48	999.00	8.48	999.00	0.00	211.9	(1-Lane)
1.500	6.17	999.00	6.17	999.00	0.00	154.3	(2-Lane)
1.500	8.25	999.00	8.25	999.00	0.00	206.3	(1-Lane)
1.600	6.34	999.00	6.34	999.00	0.00	158.4	(2-Lane)
1.600	8.48	999.00	8.48	999.00	0.00	211.9	(1-Lane)
1.700	7.25	999.00	7.25	999.00	0.00	181.3	(2-Lane)
1.700	9.70	999.00	9.70	999.00	0.00	242.5	(1-Lane)
1.800	9.53	999.00	9.53	999.00	0.00	238.2	(2-Lane)
1.800	12.74	999.00	12.74	999.00	0.00	318.6	(1-Lane)
1.900	17.25	999.00	17.25	999.00	0.00	431.4	(2-Lane)
1.900	23.08	999.00	23.08	999.00	0.00	576.9	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	70.22	0.00	52.80	0.00	61.18	0.00	46.00
1.100	46.1	5.6	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	30.1	4.2	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	20.1	2.8	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	10.0	1.4	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-10.0	-1.4	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-20.1	-2.8	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-30.1	-4.2	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-40.1	-5.6	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.949	-45.0	-12.5	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	92.4	30.6	123.0	-134.4	111.6 (2-Lane)
1.400	94.9	30.6	125.5	-137.0	114.1 (1-Lane)
1.500	54.5	48.2	102.8	-102.8	102.8 (2-Lane)
1.500	54.6	48.2	102.8	-102.8	102.8 (1-Lane)
1.600	92.4	30.6	123.0	-111.6	134.4 (2-Lane)
1.600	94.9	30.6	125.5	-114.1	137.0 (1-Lane)

1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.64	1.92	0.00	48.0 (2-Lane)
1.051	195.85	2.20	0.00	55.1 (1-Lane)
1.100	71.29	2.52	0.00	63.0 (2-Lane)
1.100	81.82	2.89	0.00	72.3 (1-Lane)
1.200	22.08	2.50	0.00	62.6 (2-Lane)
1.200	25.34	2.87	0.00	71.8 (1-Lane)
1.300	13.80	3.43	0.00	85.8 (2-Lane)
1.300	15.84	3.94	0.00	98.5 (1-Lane)
1.400	5.82	2.77	0.00	69.3 (2-Lane)
1.400	6.80	3.25	0.00	81.3 (1-Lane)
1.500	3.24	3.24	0.00	81.1 (2-Lane)
1.500	3.72	3.72	0.00	93.1 (1-Lane)
1.600	2.77	5.82	0.00	69.3 (2-Lane)
1.600	3.25	6.80	0.00	81.3 (1-Lane)
1.700	3.43	13.80	0.00	85.8 (2-Lane)
1.700	3.94	15.84	0.00	98.5 (1-Lane)
1.800	2.50	22.08	0.00	62.6 (2-Lane)
1.800	2.87	25.34	0.00	71.8 (1-Lane)
1.900	2.73	71.83	0.00	68.3 (2-Lane)
1.900	3.13	82.45	0.00	78.3 (1-Lane)
1.949	2.02	171.34	0.00	50.6 (2-Lane)
1.949	2.32	196.66	0.00	58.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1184

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-IN

Rating Live Load: 3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	364.7	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	478.7	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	547.0	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	569.8	79.4	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	547.0	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	478.7	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	364.7	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	205.1	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1184

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.32	999.00	22.02	999.00	0.00	550.5 (2-Lane)
1.100	96.71	999.00	29.45	999.00	0.00	736.2 (1-Lane)
1.200	37.79	999.00	11.47	999.00	0.00	286.8 (2-Lane)
1.200	50.54	999.00	15.34	999.00	0.00	383.6 (1-Lane)
1.300	27.67	999.00	8.41	999.00	0.00	210.2 (2-Lane)
1.300	37.01	999.00	11.24	999.00	0.00	281.1 (1-Lane)
1.400	23.58	999.00	7.17	999.00	0.00	179.2 (2-Lane)
1.400	31.54	999.00	9.59	999.00	0.00	239.7 (1-Lane)
1.500	22.77	999.00	6.92	999.00	0.00	173.1 (2-Lane)
1.500	30.45	999.00	9.26	999.00	0.00	231.5 (1-Lane)
1.600	23.58	999.00	7.17	999.00	0.00	179.2 (2-Lane)
1.600	31.54	999.00	9.59	999.00	0.00	239.7 (1-Lane)
1.700	27.67	999.00	8.41	999.00	0.00	210.2 (2-Lane)
1.700	37.01	999.00	11.24	999.00	0.00	281.1 (1-Lane)
1.800	37.79	999.00	11.47	999.00	0.00	286.8 (2-Lane)
1.800	50.54	999.00	15.34	999.00	0.00	383.6 (1-Lane)
1.900	71.82	999.00	21.78	999.00	0.00	544.5 (2-Lane)
1.900	96.05	999.00	29.13	999.00	0.00	728.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: 3S2

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00
1.200	455.9	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00
1.300	598.3	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00
1.400	683.8	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00
1.500	712.3	99.2	930.21 R	0.00	699.41	0.00	695.55 R	0.00
1.600	683.8	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00
1.700	598.3	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00

1.800	455.9	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	256.4	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH

MOMENT

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-INV

Rating Live Load:

3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-INV

Rating Live Load:

3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.72	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	19.68	999.00	19.68	999.00	0.00	787.3 (1-Lane)
1.200	8.53	999.00	8.53	999.00	0.00	341.1 (2-Lane)
1.200	11.40	999.00	11.40	999.00	0.00	456.2 (1-Lane)
1.300	6.33	999.00	6.33	999.00	0.00	253.0 (2-Lane)
1.300	8.46	999.00	8.46	999.00	0.00	338.4 (1-Lane)
1.400	5.61	999.00	5.61	999.00	0.00	224.4 (2-Lane)
1.400	7.50	999.00	7.50	999.00	0.00	300.2 (1-Lane)
1.500	5.68	999.00	5.68	999.00	0.00	227.3 (2-Lane)
1.500	7.60	999.00	7.60	999.00	0.00	304.0 (1-Lane)
1.600	5.61	999.00	5.61	999.00	0.00	224.4 (2-Lane)
1.600	7.50	999.00	7.50	999.00	0.00	300.2 (1-Lane)
1.700	6.33	999.00	6.33	999.00	0.00	253.0 (2-Lane)
1.700	8.46	999.00	8.46	999.00	0.00	338.4 (1-Lane)
1.800	8.53	999.00	8.53	999.00	0.00	341.1 (2-Lane)
1.800	11.40	999.00	11.40	999.00	0.00	456.2 (1-Lane)
1.900	14.62	999.00	14.62	999.00	0.00	584.9 (2-Lane)
1.900	19.55	999.00	19.55	999.00	0.00	782.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-INV

Rating Live Load:

3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	67.45	50.72	0.00	58.77	0.00	44.19
1.100	46.1	5.6	77.94	0.00	58.60	0.00	67.91	0.00
1.200	30.1	4.2	64.20	0.00	48.27	0.00	55.93	0.00
1.300	20.1	2.8	50.91	0.00	38.28	0.00	44.36	0.00
1.400	10.0	1.4	39.54	0.00	29.73	0.00	34.45	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00
1.600	-10.0	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00
1.700	-20.1	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00
1.800	-30.1	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00
1.900	-40.1	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00
1.949	-45.0	-12.5	-84.62	0.00	-63.62	0.00	-73.72	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	87.0	30.6	117.6	-129.0	106.1 (2-Lane)
1.400	89.9	30.6	120.5	-131.9	109.1 (1-Lane)
1.500	48.5	48.2	96.8	-96.8	96.8 (2-Lane)
1.500	48.8	48.2	97.0	-97.0	97.0 (1-Lane)
1.600	87.0	30.6	117.6	-106.1	129.0 (2-Lane)
1.600	89.9	30.6	120.5	-109.1	132.0 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1191

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3S2

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.64	2.00	0.00	80.0 (2-Lane)
1.051	195.85	2.30	0.00	91.8 (1-Lane)
1.100	71.29	2.13	0.00	85.4 (2-Lane)
1.100	81.82	2.45	0.00	98.0 (1-Lane)
1.200	22.08	2.24	0.00	89.6 (2-Lane)
1.200	25.34	2.57	0.00	102.9 (1-Lane)
1.300	13.80	3.29	0.00	131.8 (2-Lane)
1.300	15.84	3.78	0.00	151.2 (1-Lane)
1.400	6.05	2.68	0.00	107.4 (2-Lane)
1.400	7.11	3.17	0.00	126.7 (1-Lane)
1.500	3.41	3.41	0.00	136.4 (2-Lane)
1.500	3.92	3.92	0.00	157.0 (1-Lane)
1.600	2.68	6.05	0.00	107.4 (2-Lane)
1.600	3.17	7.11	0.00	126.7 (1-Lane)
1.700	3.29	13.80	0.00	131.8 (2-Lane)
1.700	3.78	15.84	0.00	151.2 (1-Lane)
1.800	2.24	22.08	0.00	89.6 (2-Lane)
1.800	2.57	25.34	0.00	102.9 (1-Lane)
1.900	2.31	71.83	0.00	92.5 (2-Lane)
1.900	2.65	82.45	0.00	106.2 (1-Lane)

1.949	1.68	171.34	0.00	67.2 (2-Lane)
1.949	1.93	196.66	0.00	77.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1192

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	364.7	50.8	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	478.7	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	547.0	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	569.8	79.4	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	547.0	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	478.7	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	364.7	50.8	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	205.1	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1192

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4 (2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0 (1-Lane)
1.200	33.82	999.00	10.27	999.00	0.00	410.7 (2-Lane)
1.200	45.24	999.00	13.73	999.00	0.00	549.3 (1-Lane)
1.300	24.14	999.00	7.33	999.00	0.00	293.3 (2-Lane)
1.300	32.28	999.00	9.81	999.00	0.00	392.3 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.400	20.88	999.00	6.35	999.00	0.00 253.9 (2-Lane)
1.400	27.93	999.00	8.49	999.00	0.00 339.6 (1-Lane)
1.500	20.96	999.00	6.37	999.00	0.00 254.9 (2-Lane)
1.500	28.03	999.00	8.52	999.00	0.00 341.0 (1-Lane)
1.600	20.88	999.00	6.35	999.00	0.00 253.9 (2-Lane)
1.600	27.93	999.00	8.49	999.00	0.00 339.6 (1-Lane)
1.700	24.14	999.00	7.33	999.00	0.00 293.3 (2-Lane)
1.700	32.28	999.00	9.81	999.00	0.00 392.3 (1-Lane)
1.800	33.82	999.00	10.27	999.00	0.00 410.7 (2-Lane)
1.800	45.24	999.00	13.73	999.00	0.00 549.3 (1-Lane)
1.900	60.86	999.00	18.45	999.00	0.00 738.2 (2-Lane)
1.900	81.39	999.00	24.68	999.00	0.00 987.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3-3

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	455.9	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	598.3	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	683.8	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	712.3	99.2	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	683.8	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	598.3	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	455.9	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	256.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.000	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	17.15	999.00	17.15	999.00	0.00 685.9 (2-Lane)
1.100	22.93	999.00	22.93	999.00	0.00 917.4 (1-Lane)
1.200	9.92	999.00	9.92	999.00	0.00 396.7 (2-Lane)
1.200	13.26	999.00	13.26	999.00	0.00 530.5 (1-Lane)
1.300	7.68	999.00	7.68	999.00	0.00 307.4 (2-Lane)
1.300	10.28	999.00	10.28	999.00	0.00 411.1 (1-Lane)
1.400	7.18	999.00	7.18	999.00	0.00 287.4 (2-Lane)
1.400	9.61	999.00	9.61	999.00	0.00 384.4 (1-Lane)
1.500	6.73	999.00	6.73	999.00	0.00 269.4 (2-Lane)
1.500	9.01	999.00	9.01	999.00	0.00 360.3 (1-Lane)
1.600	7.18	999.00	7.18	999.00	0.00 287.4 (2-Lane)
1.600	9.61	999.00	9.61	999.00	0.00 384.4 (1-Lane)
1.700	7.68	999.00	7.68	999.00	0.00 307.4 (2-Lane)
1.700	10.28	999.00	10.28	999.00	0.00 411.1 (1-Lane)
1.800	9.92	999.00	9.92	999.00	0.00 396.7 (2-Lane)
1.800	13.26	999.00	13.26	999.00	0.00 530.5 (1-Lane)
1.900	17.04	999.00	17.04	999.00	0.00 681.5 (2-Lane)
1.900	22.78	999.00	22.78	999.00	0.00 911.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	72.57	0.00	54.56	0.00	63.22	0.00
1.100	46.1	5.6	66.89	0.00	50.29	0.00	58.28	0.00
1.200	30.1	4.2	55.21	0.00	41.51	0.00	48.10	0.00
1.300	20.1	2.8	43.53	0.00	32.73	0.00	37.92	0.00
1.400	10.0	1.4	33.97	0.00	25.54	0.00	29.60	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00
1.600	-10.0	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00
1.700	-20.1	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00
1.800	-30.1	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00
1.900	-40.1	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00
1.949	-45.0	-12.5	-72.57	0.00	-54.56	0.00	-63.22	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	87.8	30.6	118.4	-129.8	106.9 (2-Lane)
1.400	89.8	30.6	120.4	-131.8	109.0 (1-Lane)
1.500	49.1	48.2	97.3	-97.3	97.3 (2-Lane)
1.500	48.9	48.2	97.1	-97.1	97.1 (1-Lane)
1.600	87.8	30.6	118.4	-107.0	129.8 (2-Lane)
1.600	89.8	30.6	120.4	-109.0	131.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)

2.000 0.0 0.0 0.0 0.0 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1199
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G07
Rating Type: I-INV
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	207.20	1.86	0.00	74.3 (2-Lane)
1.051	237.82	2.13	0.00	85.3 (1-Lane)
1.100	86.57	2.49	0.00	99.5 (2-Lane)
1.100	99.36	2.85	0.00	114.2 (1-Lane)
1.200	26.81	2.61	0.00	104.2 (2-Lane)
1.200	30.77	2.99	0.00	119.6 (1-Lane)
1.300	16.76	3.85	0.00	154.1 (2-Lane)
1.300	19.24	4.42	0.00	176.9 (1-Lane)
1.400	6.88	3.15	0.00	125.9 (2-Lane)
1.400	8.02	3.68	0.00	147.3 (1-Lane)
1.500	3.68	3.68	0.00	147.4 (2-Lane)
1.500	4.22	4.22	0.00	168.8 (1-Lane)
1.600	3.15	6.88	0.00	125.9 (2-Lane)
1.600	3.68	8.02	0.00	147.3 (1-Lane)
1.700	3.85	16.76	0.00	154.1 (2-Lane)
1.700	4.42	19.24	0.00	176.9 (1-Lane)
1.800	2.61	26.81	0.00	104.2 (2-Lane)
1.800	2.99	30.77	0.00	119.6 (1-Lane)
1.900	2.70	87.23	0.00	107.8 (2-Lane)
1.900	3.09	100.11	0.00	123.8 (1-Lane)
1.949	1.96	208.06	0.00	78.3 (2-Lane)
1.949	2.25	238.80	0.00	89.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1200
SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G07
Rating Type: III-IN
Rating Live Load: 3-3

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL 0.80 LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	364.7	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	478.7	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	547.0	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	569.8	79.4	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	547.0	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	478.7	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	364.7	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	205.1	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1200
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G07
Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:
Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Top Bott. Top Bott. Top Bott. Top Bott.
Page 487

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1201

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S

Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.33	999.00	11.94	999.00	0.00	477.6 (2-Lane)
1.200	52.60	999.00	15.97	999.00	0.00	638.7 (1-Lane)
1.300	29.33	999.00	8.91	999.00	0.00	356.4 (2-Lane)
1.300	39.22	999.00	11.92	999.00	0.00	476.6 (1-Lane)
1.400	26.74	999.00	8.13	999.00	0.00	325.1 (2-Lane)
1.400	35.76	999.00	10.87	999.00	0.00	434.8 (1-Lane)
1.500	24.85	999.00	7.55	999.00	0.00	302.2 (2-Lane)
1.500	33.23	999.00	10.10	999.00	0.00	404.1 (1-Lane)
1.600	26.74	999.00	8.13	999.00	0.00	325.1 (2-Lane)
1.600	35.76	999.00	10.87	999.00	0.00	434.8 (1-Lane)
1.700	29.33	999.00	8.91	999.00	0.00	356.4 (2-Lane)
1.700	39.22	999.00	11.92	999.00	0.00	476.6 (1-Lane)
1.800	39.33	999.00	11.94	999.00	0.00	477.6 (2-Lane)
1.800	52.60	999.00	15.97	999.00	0.00	638.7 (1-Lane)
1.900	70.91	999.00	21.50	999.00	0.00	860.1 (2-Lane)
1.900	94.83	999.00	28.76	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1202

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75				(1-Lane) LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	455.9	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	598.3	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	683.8	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	712.3	99.2	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	683.8	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	598.3	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	455.9	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	256.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1203

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1204

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.72	999.00	15.72	999.00	0.00	424.5 (2-Lane)
1.100	21.03	999.00	21.03	999.00	0.00	567.7 (1-Lane)
1.200	8.60	999.00	8.60	999.00	0.00	232.1 (2-Lane)
1.200	11.50	999.00	11.50	999.00	0.00	310.5 (1-Lane)
1.300	6.51	999.00	6.51	999.00	0.00	175.9 (2-Lane)
1.300	8.71	999.00	8.71	999.00	0.00	235.2 (1-Lane)
1.400	5.61	999.00	5.61	999.00	0.00	151.5 (2-Lane)
1.400	7.50	999.00	7.50	999.00	0.00	202.6 (1-Lane)
1.500	5.42	999.00	5.42	999.00	0.00	146.4 (2-Lane)
1.500	7.25	999.00	7.25	999.00	0.00	195.8 (1-Lane)
1.600	5.61	999.00	5.61	999.00	0.00	151.5 (2-Lane)
1.600	7.50	999.00	7.50	999.00	0.00	202.6 (1-Lane)
1.700	6.51	999.00	6.51	999.00	0.00	175.9 (2-Lane)
1.700	8.71	999.00	8.71	999.00	0.00	235.2 (1-Lane)
1.800	8.60	999.00	8.60	999.00	0.00	232.1 (2-Lane)
1.800	11.50	999.00	11.50	999.00	0.00	310.5 (1-Lane)
1.900	15.62	999.00	15.62	999.00	0.00	421.8 (2-Lane)
1.900	20.89	999.00	20.89	999.00	0.00	564.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1205

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU4

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	(2-Lane)		(1-Lane)	
					LL 1.75		LL 1.75	
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	77.46	0.00	58.24	0.00	50.74	0.00
1.100	46.1	5.6	72.95	0.00	54.85	0.00	47.79	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.200	30.1	4.2	63.68	0.00	47.88	0.00	55.48	0.00	41.71
1.300	20.1	2.8	54.40	0.00	40.90	0.00	47.40	0.00	35.64
1.400	10.0	1.4	45.13	0.00	33.93	0.00	39.32	0.00	29.56
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49
1.600	-10.0	-1.4	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56
1.700	-20.1	-2.8	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64
1.800	-30.1	-4.2	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71
1.900	-40.1	-5.6	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79
1.949	-45.0	-12.5	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-INV

Rating Live Load:

SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	94.2	30.6	124.8	-136.2	113.4 (2-Lane)
1.400	97.3	30.6	127.8	-139.3	116.4 (1-Lane)
1.500	56.9	48.2	105.1	-105.1	105.1 (2-Lane)
1.500	57.3	48.2	105.6	-105.6	105.6 (1-Lane)
1.600	94.2	30.6	124.8	-113.4	136.2 (2-Lane)
1.600	97.3	30.6	127.8	-116.4	139.3 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-INV

Rating Live Load:

SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.64	1.74	0.00	47.0 (2-Lane)
1.051	195.85	2.00	0.00	54.0 (1-Lane)
1.100	71.29	2.28	0.00	61.6 (2-Lane)
1.100	81.82	2.62	0.00	70.7 (1-Lane)
1.200	20.36	2.26	0.00	61.0 (2-Lane)
1.200	23.36	2.59	0.00	70.0 (1-Lane)
1.300	12.09	3.08	0.00	83.2 (2-Lane)
1.300	13.88	3.54	0.00	95.5 (1-Lane)
1.400	5.13	2.51	0.00	67.8 (2-Lane)
1.400	6.01	2.96	0.00	79.9 (1-Lane)
1.500	2.93	2.93	0.00	79.2 (2-Lane)
1.500	3.38	3.38	0.00	91.3 (1-Lane)
1.600	2.51	5.13	0.00	67.8 (2-Lane)
1.600	2.96	6.01	0.00	79.9 (1-Lane)
1.700	3.08	12.09	0.00	83.2 (2-Lane)
1.700	3.54	13.88	0.00	95.5 (1-Lane)
1.800	2.26	20.36	0.00	61.0 (2-Lane)
1.800	2.59	23.36	0.00	70.0 (1-Lane)
1.900	2.47	71.83	0.00	66.7 (2-Lane)
1.900	2.84	82.45	0.00	76.6 (1-Lane)
1.949	1.83	171.34	0.00	49.5 (2-Lane)
1.949	2.11	196.66	0.00	56.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1208

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	364.7	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	478.7	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	547.0	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	569.8	79.4	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	547.0	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	478.7	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	364.7	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	205.1	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1208

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00	538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00	719.8 (1-Lane)
1.200	34.10	999.00	10.35	999.00	0.00	279.5 (2-Lane)
1.200	45.60	999.00	13.84	999.00	0.00	373.8 (1-Lane)
1.300	24.86	999.00	7.55	999.00	0.00	203.9 (2-Lane)
1.300	33.24	999.00	10.10	999.00	0.00	272.7 (1-Lane)
1.400	20.88	999.00	6.35	999.00	0.00	171.4 (2-Lane)
1.400	27.92	999.00	8.49	999.00	0.00	229.2 (1-Lane)
1.500	20.00	999.00	6.08	999.00	0.00	164.2 (2-Lane)
1.500	26.75	999.00	8.14	999.00	0.00	219.6 (1-Lane)
1.600	20.88	999.00	6.35	999.00	0.00	171.4 (2-Lane)
1.600	27.92	999.00	8.49	999.00	0.00	229.2 (1-Lane)

1.700	24.86	999.00	7.55	999.00	0.00	203.9	(2-Lane)
1.700	33.24	999.00	10.10	999.00	0.00	272.7	(1-Lane)
1.800	34.10	999.00	10.35	999.00	0.00	279.5	(2-Lane)
1.800	45.60	999.00	13.84	999.00	0.00	373.8	(1-Lane)
1.900	65.02	999.00	19.72	999.00	0.00	532.3	(2-Lane)
1.900	86.95	999.00	26.37	999.00	0.00	711.9	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1210

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	455.9	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	598.3	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	683.8	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	712.3	99.2	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	683.8	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	598.3	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	455.9	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	256.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1211

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	Rating top +bend	Factor fiber -bend	bottom fiber +bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.17	999.00	14.17	0.00	439.2 (2-Lane)
1.100	18.95	999.00	18.95	0.00	587.3 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.200	7.79	999.00	7.79	999.00	0.00 241.4 (2-Lane)
1.200	10.41	999.00	10.41	999.00	0.00 322.8 (1-Lane)
1.300	5.88	999.00	5.88	999.00	0.00 182.1 (2-Lane)
1.300	7.86	999.00	7.86	999.00	0.00 243.6 (1-Lane)
1.400	5.08	999.00	5.08	999.00	0.00 157.5 (2-Lane)
1.400	6.79	999.00	6.79	999.00	0.00 210.6 (1-Lane)
1.500	4.97	999.00	4.97	999.00	0.00 154.1 (2-Lane)
1.500	6.65	999.00	6.65	999.00	0.00 206.1 (1-Lane)
1.600	5.08	999.00	5.08	999.00	0.00 157.5 (2-Lane)
1.600	6.79	999.00	6.79	999.00	0.00 210.6 (1-Lane)
1.700	5.88	999.00	5.88	999.00	0.00 182.1 (2-Lane)
1.700	7.86	999.00	7.86	999.00	0.00 243.6 (1-Lane)
1.800	7.79	999.00	7.79	999.00	0.00 241.4 (2-Lane)
1.800	10.41	999.00	10.41	999.00	0.00 322.8 (1-Lane)
1.900	14.07	999.00	14.07	999.00	0.00 436.3 (2-Lane)
1.900	18.82	999.00	18.82	999.00	0.00 583.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1213

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU5

Gamma		DC	DW	(2-Lane) LL	(1-Lane) LL
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	86.14	0.00	64.77	0.00	75.05	0.00	56.43
1.100	46.1	5.6	80.96	0.00	60.88	0.00	70.54	0.00	53.04
1.200	30.1	4.2	70.32	0.00	52.87	0.00	61.26	0.00	46.06
1.300	20.1	2.8	59.67	0.00	44.86	0.00	51.99	0.00	39.09
1.400	10.0	1.4	49.02	0.00	36.85	0.00	42.71	0.00	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13
1.600	-10.0	-1.4	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11
1.700	-20.1	-2.8	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09
1.800	-30.1	-4.2	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06
1.900	-40.1	-5.6	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04
1.949	-45.0	-12.5	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU5

Vc	Shear Resistance			Available Resistance for LL+I	
	Vs	Vn		(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	95.0	30.6	125.6	-137.0	114.2 (2-Lane)
1.400	98.5	30.6	129.1	-140.5	117.7 (1-Lane)
1.500	57.7	48.2	106.0	-106.0	106.0 (2-Lane)
1.500	58.5	48.2	106.7	-106.7	106.7 (1-Lane)
1.600	95.0	30.6	125.6	-114.2	137.0 (2-Lane)
1.600	98.5	30.6	129.1	-117.7	140.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G07
 Rating Type: I-INV
 Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.64	1.57	0.00	48.5 (2-Lane)
1.051	195.85	1.80	0.00	55.7 (1-Lane)
1.100	71.29	2.05	0.00	63.7 (2-Lane)
1.100	81.82	2.36	0.00	73.1 (1-Lane)
1.200	20.36	2.05	0.00	63.4 (2-Lane)
1.200	23.36	2.35	0.00	72.8 (1-Lane)
1.300	11.31	2.81	0.00	87.1 (2-Lane)
1.300	12.98	3.23	0.00	100.0 (1-Lane)
1.400	4.94	2.33	0.00	72.2 (2-Lane)
1.400	5.82	2.76	0.00	85.4 (1-Lane)
1.500	2.76	2.76	0.00	85.6 (2-Lane)
1.500	3.19	3.19	0.00	99.0 (1-Lane)
1.600	2.33	4.94	0.00	72.2 (2-Lane)
1.600	2.76	5.82	0.00	85.4 (1-Lane)
1.700	2.81	11.31	0.00	87.1 (2-Lane)
1.700	3.23	12.98	0.00	100.0 (1-Lane)
1.800	2.05	20.36	0.00	63.4 (2-Lane)
1.800	2.35	23.36	0.00	72.8 (1-Lane)
1.900	2.23	71.83	0.00	69.0 (2-Lane)
1.900	2.56	82.45	0.00	79.2 (1-Lane)
1.949	1.65	171.34	0.00	51.1 (2-Lane)
1.949	1.89	196.66	0.00	58.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G07
 Rating Type: III-INV
 Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	174.7	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00
1.200	364.7	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00
1.300	478.7	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00
1.400	547.0	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00
1.500	569.8	79.4	486.14 R	0.00	365.52	0.00	363.51 R	0.00
1.600	547.0	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00
1.700	478.7	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00
1.800	364.7	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00
1.900	205.1	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1216

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G07
 Rating Type: III-INV
 Rating Live Load: STRESSES

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3

9999999_20120831cy17_FlexuralRpt.txt								
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

III-INV S

Rating Live Load:

SU5

Service								
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	58.99	999.00	17.96	999.00	0.00	556.8	(2-Lane)	
1.100	78.89	999.00	24.02	999.00	0.00	744.7	(1-Lane)	
1.200	30.88	999.00	9.37	999.00	0.00	290.6	(2-Lane)	
1.200	41.30	999.00	12.54	999.00	0.00	388.6	(1-Lane)	
1.300	22.42	999.00	6.81	999.00	0.00	211.2	(2-Lane)	
1.300	29.99	999.00	9.11	999.00	0.00	282.4	(1-Lane)	
1.400	18.91	999.00	5.75	999.00	0.00	178.2	(2-Lane)	
1.400	25.28	999.00	7.69	999.00	0.00	238.3	(1-Lane)	
1.500	18.34	999.00	5.57	999.00	0.00	172.8	(2-Lane)	
1.500	24.52	999.00	7.46	999.00	0.00	231.1	(1-Lane)	
1.600	18.91	999.00	5.75	999.00	0.00	178.2	(2-Lane)	
1.600	25.28	999.00	7.69	999.00	0.00	238.3	(1-Lane)	
1.700	22.42	999.00	6.81	999.00	0.00	211.2	(2-Lane)	
1.700	29.99	999.00	9.11	999.00	0.00	282.4	(1-Lane)	
1.800	30.88	999.00	9.37	999.00	0.00	290.6	(2-Lane)	
1.800	41.30	999.00	12.54	999.00	0.00	388.6	(1-Lane)	
1.900	58.58	999.00	17.76	999.00	0.00	550.7	(2-Lane)	
1.900	78.35	999.00	23.76	999.00	0.00	736.5	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-INV

Rating Live Load:

SU6

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.42	999.00	13.42	999.00	0.00	466.5 (2-Lane)
1.100	17.95	999.00	17.95	999.00	0.00	623.8 (1-Lane)
1.200	7.10	999.00	7.10	999.00	0.00	246.8 (2-Lane)
1.200	9.50	999.00	9.50	999.00	0.00	330.1 (1-Lane)
1.300	5.31	999.00	5.31	999.00	0.00	184.5 (2-Lane)
1.300	7.10	999.00	7.10	999.00	0.00	246.7 (1-Lane)
1.400	4.62	999.00	4.62	999.00	0.00	160.6 (2-Lane)
1.400	6.18	999.00	6.18	999.00	0.00	214.8 (1-Lane)
1.500	4.46	999.00	4.46	999.00	0.00	155.0 (2-Lane)
1.500	5.96	999.00	5.96	999.00	0.00	207.3 (1-Lane)
1.600	4.62	999.00	4.62	999.00	0.00	160.6 (2-Lane)
1.600	6.18	999.00	6.18	999.00	0.00	214.8 (1-Lane)
1.700	5.31	999.00	5.31	999.00	0.00	184.5 (2-Lane)
1.700	7.10	999.00	7.10	999.00	0.00	246.7 (1-Lane)
1.800	7.10	999.00	7.10	999.00	0.00	246.8 (2-Lane)
1.800	9.50	999.00	9.50	999.00	0.00	330.1 (1-Lane)
1.900	13.34	999.00	13.34	999.00	0.00	463.4 (2-Lane)
1.900	17.83	999.00	17.83	999.00	0.00	619.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU6

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	(2-Lane)		(1-Lane)	
					LL 1.75		LL 1.75	
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	91.25	0.00	68.61	0.00	79.51	0.00
1.100	46.1	5.6	85.45	0.00	64.25	0.00	74.45	0.00
1.200	30.1	4.2	73.51	0.00	55.27	0.00	64.05	0.00
1.300	20.1	2.8	61.58	0.00	46.30	0.00	53.65	0.00
1.400	10.0	1.4	49.64	0.00	37.32	0.00	43.25	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00
1.600	-10.0	-1.4	-49.64	0.00	-37.32	0.00	-43.25	0.00
1.700	-20.1	-2.8	-61.58	0.00	-46.30	0.00	-53.65	0.00
1.800	-30.1	-4.2	-73.51	0.00	-55.27	0.00	-64.05	0.00
1.900	-40.1	-5.6	-85.45	0.00	-64.25	0.00	-74.45	0.00

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1.949	-45.0	-12.5	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: SU6

	Shear	Resistance		Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	91.7	30.6	122.3	-133.8	110.9 (2-Lane)
1.400	95.6	30.6	126.1	-137.6	114.7 (1-Lane)
1.500	54.3	48.2	102.5	-102.5	102.5 (2-Lane)
1.500	55.3	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	91.7	30.6	122.3	-110.9	133.8 (2-Lane)
1.600	95.6	30.6	126.1	-114.7	137.6 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV

Rating Live Load: SU6

	Span	Rating	Factor	Rating	Load
		(-)	(+)	Value	Resistance
					(tons)
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	252.25	1.48	0.00	51.4	(2-Lane)
1.051	289.52	1.70	0.00	58.9	(1-Lane)
1.100	120.55	1.95	0.00	67.6	(2-Lane)
1.100	138.36	2.23	0.00	77.6	(1-Lane)
1.200	25.73	1.96	0.00	68.0	(2-Lane)
1.200	29.53	2.25	0.00	78.0	(1-Lane)
1.300	12.60	2.72	0.00	94.6	(2-Lane)
1.300	14.46	3.13	0.00	108.6	(1-Lane)
1.400	4.97	2.23	0.00	77.6	(2-Lane)
1.400	5.87	2.65	0.00	92.2	(1-Lane)
1.500	2.72	2.72	0.00	94.5	(2-Lane)
1.500	3.15	3.15	0.00	109.5	(1-Lane)
1.600	2.23	4.97	0.00	77.6	(2-Lane)
1.600	2.65	5.87	0.00	92.2	(1-Lane)
1.700	2.72	12.60	0.00	94.6	(2-Lane)
1.700	3.13	14.46	0.00	108.6	(1-Lane)
1.800	1.96	25.73	0.00	68.0	(2-Lane)
1.800	2.25	29.53	0.00	78.0	(1-Lane)
1.900	2.11	121.47	0.00	73.3	(2-Lane)
1.900	2.42	139.42	0.00	84.2	(1-Lane)
1.949	1.56	253.29	0.00	54.1	(2-Lane)
1.949	1.79	290.71	0.00	62.1	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1224

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G07								
Rating Type:		III-IN								
Rating Live Load:		SU6								
		(2-Lane)				(1-Lane)				
Gamma	DC	DW	LL		LL					
	1.00	1.00	0.80		0.80					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	364.7	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	478.7	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	547.0	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	569.8	79.4	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	547.0	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	478.7	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	364.7	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	205.1	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
Rating Type: III-INV
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.17	999.00	8.55	999.00	0.00	297.2 (2-Lane)
1.200	37.67	999.00	11.44	999.00	0.00	397.4 (1-Lane)
1.300	20.26	999.00	6.15	999.00	0.00	213.9 (2-Lane)
1.300	27.09	999.00	8.23	999.00	0.00	286.0 (1-Lane)
1.400	17.20	999.00	5.23	999.00	0.00	181.7 (2-Lane)
1.400	23.00	999.00	6.99	999.00	0.00	243.0 (1-Lane)
1.500	16.45	999.00	5.00	999.00	0.00	173.8 (2-Lane)
1.500	22.00	999.00	6.69	999.00	0.00	232.5 (1-Lane)
1.600	17.20	999.00	5.23	999.00	0.00	181.7 (2-Lane)
1.600	23.00	999.00	6.99	999.00	0.00	243.0 (1-Lane)
1.700	20.26	999.00	6.15	999.00	0.00	213.9 (2-Lane)
1.700	27.09	999.00	8.23	999.00	0.00	286.0 (1-Lane)
1.800	28.17	999.00	8.55	999.00	0.00	297.2 (2-Lane)
1.800	37.67	999.00	11.44	999.00	0.00	397.4 (1-Lane)
1.900	55.51	999.00	16.83	999.00	0.00	584.9 (2-Lane)

1.900 74.23 999.00 22.51 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 782.3 (1-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU7

Gamma DC DW LL (2-Lane) (1-Lane)
1.25 1.25 1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	455.9	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	598.3	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	683.8	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	712.3	99.2	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	683.8	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	598.3	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	455.9	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	256.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	497.1 (2-Lane)
1.100	17.16	999.00	17.16	999.00	0.00	664.8 (1-Lane)
1.200	6.79	999.00	6.79	999.00	0.00	263.1 (2-Lane)
1.200	9.08	999.00	9.08	999.00	0.00	351.9 (1-Lane)
1.300	4.93	999.00	4.93	999.00	0.00	191.1 (2-Lane)
1.300	6.59	999.00	6.59	999.00	0.00	255.6 (1-Lane)
1.400	4.28	999.00	4.28	999.00	0.00	165.9 (2-Lane)
1.400	5.72	999.00	5.72	999.00	0.00	221.8 (1-Lane)

1.500	4.11	999.00	4.11	999.00	0.00	159.2 (2-Lane)
1.500	5.50	999.00	5.50	999.00	0.00	213.0 (1-Lane)
1.600	4.28	999.00	4.28	999.00	0.00	165.9 (2-Lane)
1.600	5.72	999.00	5.72	999.00	0.00	221.8 (1-Lane)
1.700	4.93	999.00	4.93	999.00	0.00	191.1 (2-Lane)
1.700	6.59	999.00	6.59	999.00	0.00	255.6 (1-Lane)
1.800	6.79	999.00	6.79	999.00	0.00	263.1 (2-Lane)
1.800	9.08	999.00	9.08	999.00	0.00	351.9 (1-Lane)
1.900	12.75	999.00	12.75	999.00	0.00	493.9 (2-Lane)
1.900	17.05	999.00	17.05	999.00	0.00	660.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	95.88	0.00	72.09	0.00	83.54	0.00	62.81
1.100	46.1	5.6	89.41	0.00	67.23	0.00	77.90	0.00	58.57
1.200	30.1	4.2	76.10	0.00	57.22	0.00	66.30	0.00	49.85
1.300	20.1	2.8	62.78	0.00	47.21	0.00	54.70	0.00	41.13
1.400	10.0	1.4	49.47	0.00	37.20	0.00	43.10	0.00	32.41
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05
1.600	-10.0	-1.4	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41
1.700	-20.1	-2.8	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13
1.800	-30.1	-4.2	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85
1.900	-40.1	-5.6	-89.41	0.00	-67.23	0.00	-77.90	0.00	-58.57
1.949	-45.0	-12.5	-95.88	0.00	-72.09	0.00	-83.54	0.00	-62.81
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	88.3	30.6	118.9	-130.4	107.5 (2-Lane)
1.400	92.4	30.6	123.0	-134.4	111.5 (1-Lane)
1.500	51.2	48.2	99.5	-99.5	99.5 (2-Lane)
1.500	52.4	48.2	100.6	-100.6	100.6 (1-Lane)
1.600	88.3	30.6	118.9	-107.5	130.4 (2-Lane)
1.600	92.4	30.6	123.0	-111.5	134.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-INV
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	252.25	1.41	0.00	54.5 (2-Lane)
1.051	289.52	1.62	0.00	62.6 (1-Lane)
1.100	136.54	1.86	0.00	72.1 (2-Lane)
1.100	156.71	2.13	0.00	82.7 (1-Lane)
1.200	33.96	1.89	0.00	73.2 (2-Lane)
1.200	38.98	2.17	0.00	84.1 (1-Lane)
1.300	14.46	2.67	0.00	103.5 (2-Lane)
1.300	16.59	3.07	0.00	118.8 (1-Lane)
1.400	5.14	2.17	0.00	84.2 (2-Lane)
1.400	6.08	2.59	0.00	100.3 (1-Lane)
1.500	2.71	2.71	0.00	105.0 (2-Lane)
1.500	3.15	3.15	0.00	121.9 (1-Lane)
1.600	2.17	5.14	0.00	84.2 (2-Lane)
1.600	2.59	6.08	0.00	100.3 (1-Lane)
1.700	2.67	14.46	0.00	103.5 (2-Lane)
1.700	3.07	16.59	0.00	118.8 (1-Lane)
1.800	1.89	33.96	0.00	73.2 (2-Lane)
1.800	2.17	38.98	0.00	84.1 (1-Lane)
1.900	2.02	137.58	0.00	78.1 (2-Lane)
1.900	2.32	157.90	0.00	89.7 (1-Lane)
1.949	1.48	253.29	0.00	57.4 (2-Lane)
1.949	1.70	290.71	0.00	65.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-IN

Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	364.7	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	478.7	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	547.0	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	569.8	79.4	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	547.0	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	478.7	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	364.7	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	205.1	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1232

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-INV S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	26.93	999.00	8.17	999.00	0.00	316.8 (2-Lane)
1.200	36.01	999.00	10.93	999.00	0.00	423.6 (1-Lane)
1.300	18.82	999.00	5.72	999.00	0.00	221.5 (2-Lane)
1.300	25.17	999.00	7.65	999.00	0.00	296.3 (1-Lane)
1.400	15.93	999.00	4.84	999.00	0.00	187.7 (2-Lane)
1.400	21.31	999.00	6.48	999.00	0.00	251.0 (1-Lane)
1.500	15.16	999.00	4.61	999.00	0.00	178.6 (2-Lane)
1.500	20.28	999.00	6.16	999.00	0.00	238.9 (1-Lane)
1.600	15.93	999.00	4.84	999.00	0.00	187.7 (2-Lane)
1.600	21.31	999.00	6.48	999.00	0.00	251.0 (1-Lane)
1.700	18.82	999.00	5.72	999.00	0.00	221.5 (2-Lane)
1.700	25.17	999.00	7.65	999.00	0.00	296.3 (1-Lane)
1.800	26.93	999.00	8.17	999.00	0.00	316.8 (2-Lane)
1.800	36.01	999.00	10.93	999.00	0.00	423.6 (1-Lane)
1.900	53.05	999.00	16.09	999.00	0.00	623.4 (2-Lane)
1.900	70.95	999.00	21.51	999.00	0.00	833.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	455.9	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	598.3	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	683.8	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	712.3	99.2	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	683.8	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	598.3	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	455.9	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	256.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
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1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.5 (2-Lane)
1.100	17.74	999.00	17.74	999.00	0.00	638.6 (1-Lane)
1.200	7.29	999.00	7.29	999.00	0.00	262.3 (2-Lane)
1.200	9.75	999.00	9.75	999.00	0.00	350.9 (1-Lane)
1.300	5.56	999.00	5.56	999.00	0.00	200.0 (2-Lane)
1.300	7.43	999.00	7.43	999.00	0.00	267.5 (1-Lane)
1.400	4.86	999.00	4.86	999.00	0.00	174.9 (2-Lane)
1.400	6.50	999.00	6.50	999.00	0.00	233.9 (1-Lane)
1.500	4.75	999.00	4.75	999.00	0.00	171.0 (2-Lane)
1.500	6.35	999.00	6.35	999.00	0.00	228.7 (1-Lane)
1.600	4.86	999.00	4.86	999.00	0.00	174.9 (2-Lane)
1.600	6.50	999.00	6.50	999.00	0.00	233.9 (1-Lane)
1.700	5.56	999.00	5.56	999.00	0.00	200.0 (2-Lane)
1.700	7.43	999.00	7.43	999.00	0.00	267.5 (1-Lane)
1.800	7.29	999.00	7.29	999.00	0.00	262.3 (2-Lane)
1.800	9.75	999.00	9.75	999.00	0.00	350.9 (1-Lane)
1.900	13.18	999.00	13.18	999.00	0.00	474.4 (2-Lane)
1.900	17.62	999.00	17.62	999.00	0.00	634.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL	LL	LL	LL	LL	LL	LL	
			1.35	1.35	1.35	1.35	1.35	1.35	1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	91.11	0.00	72.55	0.00	79.38	0.00	63.21	0.00
1.100	46.1	5.6	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	30.1	4.2	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	20.1	2.8	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	10.0	1.4	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-10.0	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-20.1	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00
1.800	-30.1	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82	0.00
1.900	-40.1	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75	0.00
1.949	-45.0	-12.5	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	92.0	30.6	122.6	-134.0	111.1 (2-Lane)
1.400	95.6	30.6	126.2	-137.6	114.8 (1-Lane)
1.500	54.5	48.2	102.7	-102.7	102.7 (2-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (1-Lane)
1.600	92.0	30.6	122.6	-111.1	134.0 (2-Lane)
1.600	95.6	30.6	126.2	-114.8	137.6 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.51	1.48	0.00	53.3 (2-Lane)
1.051	134.87	1.70	0.00	61.2 (1-Lane)
1.100	62.84	1.96	0.00	70.6 (2-Lane)
1.100	72.13	2.25	0.00	81.0 (1-Lane)
1.200	18.25	1.99	0.00	71.7 (2-Lane)
1.200	20.94	2.29	0.00	82.3 (1-Lane)
1.300	11.13	2.80	0.00	100.7 (2-Lane)
1.300	12.78	3.21	0.00	115.5 (1-Lane)
1.400	4.95	2.31	0.00	83.2 (2-Lane)
1.400	5.84	2.74	0.00	98.6 (1-Lane)
1.500	2.81	2.81	0.00	101.2 (2-Lane)
1.500	3.25	3.25	0.00	117.1 (1-Lane)
1.600	2.31	4.95	0.00	83.2 (2-Lane)
1.600	2.74	5.84	0.00	98.6 (1-Lane)
1.700	2.80	11.13	0.00	100.7 (2-Lane)
1.700	3.21	12.78	0.00	115.5 (1-Lane)
1.800	1.99	18.25	0.00	71.7 (2-Lane)
1.800	2.29	20.94	0.00	82.3 (1-Lane)
1.900	2.12	60.76	0.00	76.5 (2-Lane)
1.900	2.44	69.73	0.00	87.8 (1-Lane)
1.949	1.56	115.46	0.00	56.1 (2-Lane)
1.949	1.79	132.52	0.00	64.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25	1.25	1.25	1.35	LL	LL
					1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R
1.100	218.4	35.7	357.51 R	0.00	268.80	0.00 R
1.200	455.9	63.5	617.82 R	0.00	464.52	0.00 R
1.300	598.3	83.3	780.93 R	0.00	587.16	0.00 R
1.400	683.8	95.2	873.47 R	0.00	656.75	0.00 R
1.500	712.3	99.2	882.13 R	0.00	663.26	0.00 R
1.600	683.8	95.2	873.47 R	0.00	656.75	0.00 R
1.700	598.3	83.3	780.93 R	0.00	587.16	0.00 R
1.800	455.9	63.5	617.82 R	0.00	464.52	0.00 R
1.900	256.4	35.7	357.51 R	0.00	268.80	0.00 R
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00 R
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Top
1.000	6096.9	6096.9	0.0	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: HS20

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.34	999.00	16.34	999.00	326.87	588.4 (2-Lane)
1.100	21.86	999.00	21.86	999.00	437.14	786.9 (1-Lane)
1.200	9.03	999.00	9.03	999.00	180.56	325.0 (2-Lane)
1.200	12.07	999.00	12.07	999.00	241.47	434.6 (1-Lane)
1.300	6.93	999.00	6.93	999.00	138.69	249.6 (2-Lane)
1.300	9.27	999.00	9.27	999.00	185.48	333.9 (1-Lane)
1.400	6.09	999.00	6.09	999.00	121.76	219.2 (2-Lane)
1.400	8.14	999.00	8.14	999.00	162.84	293.1 (1-Lane)
1.500	5.99	999.00	5.99	999.00	119.83	215.7 (2-Lane)
1.500	8.01	999.00	8.01	999.00	160.26	288.5 (1-Lane)
1.600	6.09	999.00	6.09	999.00	121.76	219.2 (2-Lane)
1.600	8.14	999.00	8.14	999.00	162.84	293.1 (1-Lane)
1.700	6.93	999.00	6.93	999.00	138.69	249.6 (2-Lane)
1.700	9.27	999.00	9.27	999.00	185.48	333.9 (1-Lane)
1.800	9.03	999.00	9.03	999.00	180.56	325.0 (2-Lane)
1.800	12.07	999.00	12.07	999.00	241.47	434.6 (1-Lane)
1.900	16.24	999.00	16.24	999.00	324.74	584.5 (2-Lane)
1.900	21.72	999.00	21.72	999.00	434.29	781.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	74.82	0.00	56.26	0.00	65.19	0.00	49.01	0.00
1.100	46.1	5.6	70.18	0.00	52.77	0.00	61.15	0.00	45.98	0.00
1.200	30.1	4.2	60.64	0.00	45.60	0.00	52.84	0.00	39.73	0.00
1.300	20.1	2.8	51.10	0.00	38.42	0.00	44.52	0.00	33.48	0.00
1.400	10.0	1.4	41.56	0.00	31.25	0.00	36.21	0.00	27.23	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00	20.98	0.00
1.600	-10.0	-1.4	-41.56	0.00	-31.25	0.00	-36.21	0.00	-27.23	0.00
1.700	-20.1	-2.8	-51.10	0.00	-38.42	0.00	-44.52	0.00	-33.48	0.00
1.800	-30.1	-4.2	-60.64	0.00	-45.60	0.00	-52.84	0.00	-39.73	0.00
1.900	-40.1	-5.6	-70.18	0.00	-52.77	0.00	-61.15	0.00	-45.98	0.00
1.949	-45.0	-12.5	-74.82	0.00	-56.26	0.00	-65.19	0.00	-49.01	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	92.7	30.6	123.3	-134.7	111.8 (2-Lane)
1.400	95.4	30.6	126.0	-137.4	114.5 (1-Lane)
1.500	54.3	48.2	102.5	-102.5	102.5 (2-Lane)
1.500	54.4	48.2	102.7	-102.7	102.7 (1-Lane)
1.600	92.7	30.6	123.3	-111.8	134.7 (2-Lane)
1.600	95.4	30.6	126.0	-114.5	137.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: HS20

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.51	1.80	36.05	64.9 (2-Lane)
1.051	134.87	2.07	41.38	74.5 (1-Lane)
1.100	63.61	2.37	47.40	85.3 (2-Lane)
1.100	73.00	2.72	54.40	97.9 (1-Lane)
1.200	25.05	2.37	47.44	85.4 (2-Lane)
1.200	28.75	2.72	54.45	98.0 (1-Lane)
1.300	14.24	3.28	65.63	118.1 (2-Lane)
1.300	16.34	3.77	75.33	135.6 (1-Lane)
1.400	5.74	2.69	53.82	96.9 (2-Lane)
1.400	6.72	3.16	63.25	113.8 (1-Lane)

1.500	3.20	3.20	64.05	115.3 (2-Lane)
1.500	3.68	3.68	73.60	132.5 (1-Lane)
1.600	2.69	5.74	53.82	96.9 (2-Lane)
1.600	3.16	6.72	63.25	113.9 (1-Lane)
1.700	3.28	14.24	65.63	118.1 (2-Lane)
1.700	3.77	16.34	75.33	135.6 (1-Lane)
1.800	2.37	25.05	47.44	85.4 (2-Lane)
1.800	2.72	28.75	54.45	98.0 (1-Lane)
1.900	2.57	64.09	51.38	92.5 (2-Lane)
1.900	2.95	73.56	58.97	106.1 (1-Lane)
1.949	1.90	118.00	37.97	68.4 (2-Lane)
1.949	2.18	135.43	43.58	78.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1248

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	455.9	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	598.3	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	683.8	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	712.3	99.2	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	683.8	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	598.3	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	455.9	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	256.4	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	22.51	999.00	22.51	999.00	0.00 562.8 (2-Lane)
1.100	30.11	999.00	30.11	999.00	0.00 752.7 (1-Lane)
1.200	12.35	999.00	12.35	999.00	0.00 308.8 (2-Lane)
1.200	16.52	999.00	16.52	999.00	0.00 413.0 (1-Lane)
1.300	9.40	999.00	9.40	999.00	0.00 235.0 (2-Lane)
1.300	12.57	999.00	12.57	999.00	0.00 314.3 (1-Lane)
1.400	8.22	999.00	8.22	999.00	0.00 205.4 (2-Lane)
1.400	10.99	999.00	10.99	999.00	0.00 274.7 (1-Lane)
1.500	8.00	999.00	8.00	999.00	0.00 200.0 (2-Lane)
1.500	10.70	999.00	10.70	999.00	0.00 267.5 (1-Lane)
1.600	8.22	999.00	8.22	999.00	0.00 205.4 (2-Lane)
1.600	10.99	999.00	10.99	999.00	0.00 274.7 (1-Lane)
1.700	9.40	999.00	9.40	999.00	0.00 235.0 (2-Lane)
1.700	12.57	999.00	12.57	999.00	0.00 314.3 (1-Lane)
1.800	12.35	999.00	12.35	999.00	0.00 308.8 (2-Lane)
1.800	16.52	999.00	16.52	999.00	0.00 413.0 (1-Lane)
1.900	22.37	999.00	22.37	999.00	0.00 559.2 (2-Lane)
1.900	29.91	999.00	29.91	999.00	0.00 747.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	46.1	5.6	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	30.1	4.2	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	20.1	2.8	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	10.0	1.4	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-10.0	-1.4	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-20.1	-2.8	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-30.1	-4.2	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-40.1	-5.6	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-45.0	-12.5	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	87.6	30.6	118.2	-129.6	106.7 (2-Lane)
1.400	89.1	30.6	119.7	-131.1	108.3 (1-Lane)
1.500	49.2	48.2	97.5	-97.5	97.5 (2-Lane)
1.500	48.6	48.2	96.8	-96.8	96.8 (1-Lane)
1.600	87.6	30.6	118.2	-106.7	129.6 (2-Lane)
1.600	89.1	30.6	119.7	-108.3	131.2 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	221.20	2.49	0.00	62.2 (2-Lane)
1.051	253.88	2.86	0.00	71.4 (1-Lane)
1.100	92.41	3.27	0.00	81.6 (2-Lane)
1.100	106.07	3.75	0.00	93.7 (1-Lane)
1.200	28.62	3.24	0.00	81.1 (2-Lane)
1.200	32.84	3.72	0.00	93.1 (1-Lane)
1.300	17.89	4.45	0.00	111.2 (2-Lane)
1.300	20.53	5.11	0.00	127.6 (1-Lane)
1.400	7.27	3.43	0.00	85.9 (2-Lane)
1.400	8.45	4.00	0.00	100.0 (1-Lane)
1.500	3.99	3.99	0.00	99.7 (2-Lane)
1.500	4.55	4.55	0.00	113.7 (1-Lane)
1.600	3.44	7.27	0.00	85.9 (2-Lane)
1.600	4.00	8.45	0.00	100.0 (1-Lane)
1.700	4.45	17.89	0.00	111.2 (2-Lane)
1.700	5.11	20.53	0.00	127.6 (1-Lane)
1.800	3.24	28.62	0.00	81.1 (2-Lane)
1.800	3.72	32.84	0.00	93.1 (1-Lane)
1.900	3.54	93.12	0.00	88.5 (2-Lane)
1.900	4.06	106.88	0.00	101.5 (1-Lane)
1.949	2.62	222.11	0.00	65.6 (2-Lane)
1.949	3.01	254.93	0.00	75.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: 3S2

Rating Live Load:		502		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	455.9	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	598.3	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	683.8	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	712.3	99.2	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	683.8	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	598.3	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	455.9	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	256.4	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1

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1.200 6096.9 6096.9 0.0 0.0 5577.5 5577.5 -519.4 -519.4
1.300 6096.9 6096.9 0.0 0.0 5415.2 5415.2 -681.7 -681.7
1.400 6096.9 6096.9 0.0 0.0 5317.8 5317.8 -779.0 -779.0
1.500 6096.9 6096.9 0.0 0.0 5285.4 5285.4 -811.5 -811.5
1.600 6096.9 6096.9 0.0 0.0 5317.8 5317.8 -779.0 -779.0
1.700 6096.9 6096.9 0.0 0.0 5415.2 5415.2 -681.7 -681.7
1.800 6096.9 6096.9 0.0 0.0 5577.5 5577.5 -519.4 -519.4
1.900 6096.9 6096.9 0.0 0.0 5804.7 5804.7 -292.1 -292.1
1.949 6096.9 6096.9 0.0 0.0 5965.1 5965.1 -131.8 -131.8
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
Rating Type: I-OPER
Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.08	999.00	19.08	999.00	0.00	763.1 (2-Lane)
1.100	25.51	999.00	25.51	999.00	0.00	999.0 (1-Lane)
1.200	11.06	999.00	11.06	999.00	0.00	442.2 (2-Lane)
1.200	14.78	999.00	14.78	999.00	0.00	591.4 (1-Lane)
1.300	8.20	999.00	8.20	999.00	0.00	328.0 (2-Lane)
1.300	10.97	999.00	10.97	999.00	0.00	438.7 (1-Lane)
1.400	7.27	999.00	7.27	999.00	0.00	290.9 (2-Lane)
1.400	9.73	999.00	9.73	999.00	0.00	389.1 (1-Lane)
1.500	7.36	999.00	7.36	999.00	0.00	294.6 (2-Lane)
1.500	9.85	999.00	9.85	999.00	0.00	394.0 (1-Lane)
1.600	7.27	999.00	7.27	999.00	0.00	290.9 (2-Lane)
1.600	9.73	999.00	9.73	999.00	0.00	389.1 (1-Lane)
1.700	8.20	999.00	8.20	999.00	0.00	328.0 (2-Lane)
1.700	10.97	999.00	10.97	999.00	0.00	438.7 (1-Lane)
1.800	11.06	999.00	11.06	999.00	0.00	442.2 (2-Lane)
1.800	14.78	999.00	14.78	999.00	0.00	591.4 (1-Lane)
1.900	18.95	999.00	18.95	999.00	0.00	758.1 (2-Lane)
1.900	25.35	999.00	25.35	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
Rating Type: I-OPER
Rating Live Load: 3S2

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35	(1-Lane) LL 1.35						
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	46.1	5.6	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	30.1	4.2	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	20.1	2.8	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	10.0	1.4	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-10.0	-1.4	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-20.1	-2.8	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-30.1	-4.2	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-40.1	-5.6	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-45.0	-12.5	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-OPER
 Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	83.0	30.6	113.6	-125.1	102.2 (2-Lane)
1.400	85.1	30.6	115.6	-127.1	104.2 (1-Lane)
1.500	44.2	48.2	92.4	-92.4	92.4 (2-Lane)
1.500	43.8	48.2	92.0	-92.0	92.0 (1-Lane)
1.600	83.0	30.6	113.6	-102.2	125.1 (2-Lane)
1.600	85.1	30.6	115.7	-104.2	127.1 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-OPER
 Rating Live Load: 3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	221.20	2.59	0.00	103.7 (2-Lane)
1.051	253.88	2.97	0.00	119.0 (1-Lane)
1.100	92.41	2.77	0.00	110.7 (2-Lane)
1.100	106.07	3.17	0.00	127.0 (1-Lane)
1.200	28.62	2.90	0.00	116.2 (2-Lane)
1.200	32.84	3.33	0.00	133.3 (1-Lane)
1.300	17.89	4.27	0.00	170.8 (2-Lane)
1.300	20.53	4.90	0.00	196.0 (1-Lane)
1.400	7.61	3.35	0.00	134.0 (2-Lane)
1.400	8.88	3.92	0.00	156.9 (1-Lane)
1.500	4.22	4.22	0.00	168.9 (2-Lane)
1.500	4.83	4.83	0.00	193.1 (1-Lane)
1.600	3.35	7.61	0.00	134.0 (2-Lane)
1.600	3.92	8.88	0.00	156.9 (1-Lane)
1.700	4.27	17.89	0.00	170.8 (2-Lane)
1.700	4.90	20.53	0.00	196.0 (1-Lane)
1.800	2.90	28.62	0.00	116.2 (2-Lane)
1.800	3.33	32.84	0.00	133.3 (1-Lane)
1.900	3.00	93.12	0.00	120.0 (2-Lane)
1.900	3.44	106.88	0.00	137.7 (1-Lane)
1.949	2.18	222.11	0.00	87.1 (2-Lane)
1.949	2.50	254.93	0.00	99.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-OPER
 Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25		1.25		LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	455.9	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	598.3	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	683.8	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	712.3	99.2	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	683.8	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	598.3	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	455.9	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	256.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	889.2 (2-Lane)
1.100	29.73	999.00	29.73	999.00	0.00	999.0 (1-Lane)
1.200	12.85	999.00	12.85	999.00	0.00	514.2 (2-Lane)
1.200	17.19	999.00	17.19	999.00	0.00	687.7 (1-Lane)
1.300	9.96	999.00	9.96	999.00	0.00	398.5 (2-Lane)
1.300	13.32	999.00	13.32	999.00	0.00	532.9 (1-Lane)
1.400	9.31	999.00	9.31	999.00	0.00	372.6 (2-Lane)
1.400	12.46	999.00	12.46	999.00	0.00	498.3 (1-Lane)
1.500	8.73	999.00	8.73	999.00	0.00	349.2 (2-Lane)
1.500	11.68	999.00	11.68	999.00	0.00	467.0 (1-Lane)
1.600	9.31	999.00	9.31	999.00	0.00	372.6 (2-Lane)
1.600	12.46	999.00	12.46	999.00	0.00	498.3 (1-Lane)
1.700	9.96	999.00	9.96	999.00	0.00	398.5 (2-Lane)
1.700	13.32	999.00	13.32	999.00	0.00	532.9 (1-Lane)
1.800	12.85	999.00	12.85	999.00	0.00	514.2 (2-Lane)
1.800	17.19	999.00	17.19	999.00	0.00	687.7 (1-Lane)
1.900	22.08	999.00	22.08	999.00	0.00	883.4 (2-Lane)
1.900	29.53	999.00	29.53	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	55.98	0.00	42.09	0.00	48.77	0.00
1.100	46.1	5.6	51.60	0.00	38.80	0.00	44.96	0.00
1.200	30.1	4.2	42.59	0.00	32.02	0.00	37.11	0.00
1.300	20.1	2.8	33.58	0.00	25.25	0.00	29.26	0.00
1.400	10.0	1.4	26.21	0.00	19.71	0.00	22.83	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00
1.600	-10.0	-1.4	-26.21	0.00	-19.71	0.00	-22.83	0.00
1.700	-20.1	-2.8	-33.58	0.00	-25.25	0.00	-29.26	0.00
1.800	-30.1	-4.2	-42.59	0.00	-32.02	0.00	-37.11	0.00
1.900	-40.1	-5.6	-51.60	0.00	-38.80	0.00	-44.96	0.00
1.949	-45.0	-12.5	-55.98	0.00	-42.09	0.00	-48.77	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3-3

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	83.3	30.6	113.9	-125.3	102.5 (2-Lane)
1.400	84.5	30.6	115.1	-126.5	103.6 (1-Lane)
1.500	44.3	48.2	92.6	-92.6	92.6 (2-Lane)
1.500	43.6	48.2	91.8	-91.8	91.8 (1-Lane)
1.600	83.3	30.6	113.9	-102.5	125.3 (2-Lane)
1.600	84.5	30.6	115.1	-103.6	126.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	268.60	2.41	0.00	96.4 (2-Lane)
1.051	308.28	2.77	0.00	110.6 (1-Lane)
1.100	112.22	3.22	0.00	128.9 (2-Lane)
1.100	128.80	3.70	0.00	148.0 (1-Lane)
1.200	34.75	3.38	0.00	135.1 (2-Lane)
1.200	39.88	3.88	0.00	155.1 (1-Lane)
1.300	21.73	4.99	0.00	199.8 (2-Lane)
1.300	24.94	5.73	0.00	229.3 (1-Lane)
1.400	8.61	3.91	0.00	156.4 (2-Lane)
1.400	9.98	4.54	0.00	181.6 (1-Lane)
1.500	4.54	4.54	0.00	181.7 (2-Lane)
1.500	5.17	5.17	0.00	206.9 (1-Lane)
1.600	3.91	8.61	0.00	156.4 (2-Lane)

1.600	4.54	9.98	0.00	181.6 (1-Lane)
1.700	4.99	21.73	0.00	199.8 (2-Lane)
1.700	5.73	24.94	0.00	229.3 (1-Lane)
1.800	3.38	34.75	0.00	135.1 (2-Lane)
1.800	3.88	39.88	0.00	155.1 (1-Lane)
1.900	3.49	113.07	0.00	139.8 (2-Lane)
1.900	4.01	129.78	0.00	160.4 (1-Lane)
1.949	2.54	269.71	0.00	101.5 (2-Lane)
1.949	2.91	309.55	0.00	116.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	455.9	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	598.3	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	683.8	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	712.3	99.2	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	683.8	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	598.3	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	455.9	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	256.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU4

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.0 (1-Lane)
1.100	20.38	999.00	20.38	550.3 (2-Lane)
1.100	27.26	999.00	27.26	736.0 (1-Lane)

1.200	11.15	999.00	11.15	999.00	0.00	300.9	(2-Lane)
1.200	14.90	999.00	14.90	999.00	0.00	402.4	(1-Lane)
1.300	8.44	999.00	8.44	999.00	0.00	228.0	(2-Lane)
1.300	11.29	999.00	11.29	999.00	0.00	304.9	(1-Lane)
1.400	7.27	999.00	7.27	999.00	0.00	196.4	(2-Lane)
1.400	9.73	999.00	9.73	999.00	0.00	262.6	(1-Lane)
1.500	7.03	999.00	7.03	999.00	0.00	189.8	(2-Lane)
1.500	9.40	999.00	9.40	999.00	0.00	253.8	(1-Lane)
1.600	7.27	999.00	7.27	999.00	0.00	196.4	(2-Lane)
1.600	9.73	999.00	9.73	999.00	0.00	262.6	(1-Lane)
1.700	8.44	999.00	8.44	999.00	0.00	228.0	(2-Lane)
1.700	11.29	999.00	11.29	999.00	0.00	304.9	(1-Lane)
1.800	11.15	999.00	11.15	999.00	0.00	300.9	(2-Lane)
1.800	14.90	999.00	14.90	999.00	0.00	402.4	(1-Lane)
1.900	20.25	999.00	20.25	999.00	0.00	546.7	(2-Lane)
1.900	27.08	999.00	27.08	999.00	0.00	731.2	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1272

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	46.1	5.6	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	30.1	4.2	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	20.1	2.8	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	10.0	1.4	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-10.0	-1.4	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-20.1	-2.8	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-30.1	-4.2	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-40.1	-5.6	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-45.0	-12.5	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	89.4	30.6	120.0	-131.5	108.6 (2-Lane)
1.400	91.4	30.6	122.0	-133.4	110.6 (1-Lane)
1.500	51.6	48.2	99.9	-99.9	99.9 (2-Lane)
1.500	51.3	48.2	99.5	-99.5	99.5 (1-Lane)
1.600	89.4	30.6	120.0	-108.6	131.5 (2-Lane)
1.600	91.4	30.6	122.0	-110.6	133.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1274

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	221.20	2.26	0.00	60.9 (2-Lane)
1.051	253.88	2.59	0.00	69.9 (1-Lane)
1.100	92.41	2.95	0.00	79.8 (2-Lane)
1.100	106.07	3.39	0.00	91.6 (1-Lane)
1.200	26.39	2.93	0.00	79.1 (2-Lane)
1.200	30.29	3.36	0.00	90.7 (1-Lane)
1.300	15.68	4.00	0.00	107.9 (2-Lane)
1.300	17.99	4.59	0.00	123.8 (1-Lane)
1.400	6.41	3.12	0.00	84.2 (2-Lane)
1.400	7.47	3.64	0.00	98.4 (1-Lane)
1.500	3.61	3.61	0.00	97.5 (2-Lane)
1.500	4.13	4.13	0.00	111.5 (1-Lane)
1.600	3.12	6.41	0.00	84.2 (2-Lane)
1.600	3.64	7.47	0.00	98.4 (1-Lane)
1.700	4.00	15.68	0.00	107.9 (2-Lane)
1.700	4.59	17.99	0.00	123.8 (1-Lane)
1.800	2.93	26.39	0.00	79.1 (2-Lane)
1.800	3.36	30.29	0.00	90.7 (1-Lane)
1.900	3.20	93.12	0.00	86.5 (2-Lane)
1.900	3.68	106.88	0.00	99.3 (1-Lane)
1.949	2.38	222.11	0.00	64.2 (2-Lane)
1.949	2.73	254.93	0.00	73.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1276

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	455.9	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	598.3	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	683.8	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	712.3	99.2	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	683.8	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	598.3	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	455.9	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	256.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1277

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU5

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5

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1.600 6096.9 6096.9 0.0 0.0 5317.8 5317.8 -779.0 -779.0
1.700 6096.9 6096.9 0.0 0.0 5415.2 5415.2 -681.7 -681.7
1.800 6096.9 6096.9 0.0 0.0 5577.5 5577.5 -519.4 -519.4
1.900 6096.9 6096.9 0.0 0.0 5804.7 5804.7 -292.1 -292.1
1.949 6096.9 6096.9 0.0 0.0 5965.1 5965.1 -131.8 -131.8
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.36	999.00	18.36	999.00	0.00	569.3 (2-Lane)
1.100	24.56	999.00	24.56	999.00	0.00	761.4 (1-Lane)
1.200	10.09	999.00	10.09	999.00	0.00	312.9 (2-Lane)
1.200	13.50	999.00	13.50	999.00	0.00	418.4 (1-Lane)
1.300	7.62	999.00	7.62	999.00	0.00	236.1 (2-Lane)
1.300	10.19	999.00	10.19	999.00	0.00	315.8 (1-Lane)
1.400	6.59	999.00	6.59	999.00	0.00	204.1 (2-Lane)
1.400	8.81	999.00	8.81	999.00	0.00	273.0 (1-Lane)
1.500	6.44	999.00	6.44	999.00	0.00	199.7 (2-Lane)
1.500	8.62	999.00	8.62	999.00	0.00	267.1 (1-Lane)
1.600	6.59	999.00	6.59	999.00	0.00	204.1 (2-Lane)
1.600	8.81	999.00	8.81	999.00	0.00	273.0 (1-Lane)
1.700	7.62	999.00	7.62	999.00	0.00	236.1 (2-Lane)
1.700	10.19	999.00	10.19	999.00	0.00	315.8 (1-Lane)
1.800	10.09	999.00	10.09	999.00	0.00	312.9 (2-Lane)
1.800	13.50	999.00	13.50	999.00	0.00	418.4 (1-Lane)
1.900	18.25	999.00	18.25	999.00	0.00	565.6 (2-Lane)
1.900	24.40	999.00	24.40	999.00	0.00	756.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1279

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	66.45	0.00	49.96	0.00	57.90	0.00	43.53
1.100	46.1	5.6	62.46	0.00	46.96	0.00	54.42	0.00	40.92
1.200	30.1	4.2	54.24	0.00	40.78	0.00	47.26	0.00	35.53
1.300	20.1	2.8	46.03	0.00	34.61	0.00	40.10	0.00	30.15
1.400	10.0	1.4	37.81	0.00	28.43	0.00	32.94	0.00	24.77
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39
1.600	-10.0	-1.4	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77
1.700	-20.1	-2.8	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15
1.800	-30.1	-4.2	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53
1.900	-40.1	-5.6	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92
1.949	-45.0	-12.5	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1280

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	90.4	30.6	121.0	-132.4	109.5 (2-Lane)
1.400	92.7	30.6	123.3	-134.7	111.9 (1-Lane)
1.500	52.6	48.2	100.8	-100.8	100.8 (2-Lane)
1.500	52.5	48.2	100.8	-100.8	100.8 (1-Lane)
1.600	90.4	30.6	121.0	-109.5	132.4 (2-Lane)
1.600	92.7	30.6	123.3	-111.9	134.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	221.20	2.03	0.00	62.9 (2-Lane)
1.051	253.88	2.33	0.00	72.2 (1-Lane)
1.100	92.41	2.66	0.00	82.6 (2-Lane)
1.100	106.07	3.06	0.00	94.8 (1-Lane)
1.200	26.39	2.65	0.00	82.2 (2-Lane)
1.200	30.29	3.04	0.00	94.4 (1-Lane)
1.300	14.66	3.64	0.00	112.9 (2-Lane)
1.300	16.83	4.18	0.00	129.6 (1-Lane)
1.400	6.19	2.90	0.00	89.8 (2-Lane)
1.400	7.23	3.40	0.00	105.3 (1-Lane)
1.500	3.41	3.41	0.00	105.6 (2-Lane)
1.500	3.91	3.91	0.00	121.1 (1-Lane)
1.600	2.90	6.19	0.00	89.8 (2-Lane)
1.600	3.40	7.23	0.00	105.3 (1-Lane)
1.700	3.64	14.66	0.00	112.9 (2-Lane)
1.700	4.18	16.83	0.00	129.6 (1-Lane)
1.800	2.65	26.39	0.00	82.2 (2-Lane)
1.800	3.04	30.29	0.00	94.4 (1-Lane)
1.900	2.89	93.12	0.00	89.5 (2-Lane)
1.900	3.31	106.88	0.00	102.7 (1-Lane)
1.949	2.14	222.11	0.00	66.3 (2-Lane)
1.949	2.45	254.93	0.00	76.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	(2-Lane)		(1-Lane)	
	DC	DW	LL	LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00

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1.200	455.9	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58
1.300	598.3	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44
1.400	683.8	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04
1.500	712.3	99.2	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99
1.600	683.8	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04
1.700	598.3	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44
1.800	455.9	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58
1.900	256.4	35.7	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.40	999.00	17.40	999.00	0.00	604.7 (2-Lane)
1.100	23.27	999.00	23.27	999.00	0.00	808.7 (1-Lane)
1.200	9.21	999.00	9.21	999.00	0.00	319.9 (2-Lane)
1.200	12.31	999.00	12.31	999.00	0.00	427.9 (1-Lane)
1.300	6.88	999.00	6.88	999.00	0.00	239.1 (2-Lane)
1.300	9.20	999.00	9.20	999.00	0.00	319.8 (1-Lane)
1.400	5.99	999.00	5.99	999.00	0.00	208.2 (2-Lane)
1.400	8.01	999.00	8.01	999.00	0.00	278.4 (1-Lane)
1.500	5.78	999.00	5.78	999.00	0.00	200.9 (2-Lane)
1.500	7.73	999.00	7.73	999.00	0.00	268.7 (1-Lane)
1.600	5.99	999.00	5.99	999.00	0.00	208.2 (2-Lane)
1.600	8.01	999.00	8.01	999.00	0.00	278.4 (1-Lane)
1.700	6.88	999.00	6.88	999.00	0.00	239.1 (2-Lane)
1.700	9.20	999.00	9.20	999.00	0.00	319.8 (1-Lane)
1.800	9.21	999.00	9.21	999.00	0.00	319.9 (2-Lane)
1.800	12.31	999.00	12.31	999.00	0.00	427.9 (1-Lane)
1.900	17.29	999.00	17.29	999.00	0.00	600.7 (2-Lane)
1.900	23.12	999.00	23.12	999.00	0.00	803.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type:		I-OPER									
Rating Live Load:		SU6									
Gamma	DC	DW	(2-Lane)		(1-Lane)						
	1.25	1.25	LL	LL	LL	LL					
			1.35	1.35	1.35	1.35					
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.051	48.1	6.3	70.40	0.00	52.93	0.00	61.33	0.00	46.12	0.00	
1.100	46.1	5.6	65.92	0.00	49.56	0.00	57.43	0.00	43.18	0.00	
1.200	30.1	4.2	56.71	0.00	42.64	0.00	49.41	0.00	37.15	0.00	
1.300	20.1	2.8	47.50	0.00	35.71	0.00	41.39	0.00	31.12	0.00	
1.400	10.0	1.4	38.29	0.00	28.79	0.00	33.36	0.00	25.08	0.00	
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05	0.00	
1.600	-10.0	-1.4	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08	0.00	
1.700	-20.1	-2.8	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12	0.00	
1.800	-30.1	-4.2	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15	0.00	
1.900	-40.1	-5.6	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18	0.00	
1.949	-45.0	-12.5	-70.40	0.00	-52.93	0.00	-61.33	0.00	-46.12	0.00	
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	87.7	30.6	118.3	-129.7	106.8 (2-Lane)
1.400	90.4	30.6	121.0	-132.4	109.5 (1-Lane)
1.500	49.8	48.2	98.0	-98.0	98.0 (2-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (1-Lane)
1.600	87.7	30.6	118.3	-106.8	129.7 (2-Lane)
1.600	90.4	30.6	121.0	-109.5	132.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1288

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER
Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.99	1.92	0.00	66.6 (2-Lane)
1.051	375.30	2.20	0.00	76.4 (1-Lane)
1.100	156.27	2.52	0.00	87.7 (2-Lane)
1.100	179.36	2.90	0.00	100.6 (1-Lane)
1.200	33.35	2.54	0.00	88.1 (2-Lane)
1.200	38.28	2.91	0.00	101.2 (1-Lane)
1.300	16.33	3.53	0.00	122.7 (2-Lane)
1.300	18.74	4.05	0.00	140.8 (1-Lane)
1.400	6.25	2.79	0.00	96.9 (2-Lane)
1.400	7.32	3.28	0.00	114.1 (1-Lane)
1.500	3.37	3.37	0.00	117.1 (2-Lane)
1.500	3.88	3.88	0.00	134.7 (1-Lane)
1.600	2.79	6.25	0.00	96.9 (2-Lane)
1.600	3.28	7.32	0.00	114.1 (1-Lane)
1.700	3.53	16.33	0.00	122.7 (2-Lane)
1.700	4.05	18.74	0.00	140.8 (1-Lane)

1.800	2.54	33.35	0.00	88.1 (2-Lane)
1.800	2.91	38.28	0.00	101.2 (1-Lane)
1.900	2.73	157.46	0.00	95.1 (2-Lane)
1.900	3.14	180.73	0.00	109.1 (1-Lane)
1.949	2.02	328.34	0.00	70.1 (2-Lane)
1.949	2.32	376.85	0.00	80.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.200	455.9	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.300	598.3	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.400	683.8	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.500	712.3	99.2	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00
1.600	683.8	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.700	598.3	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.800	455.9	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.900	256.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1291

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating top +bend	Fiber fiber -bend	Factor bottom +bend	Fiber fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.63	999.00	16.63	999.00	0.00	644.4 (2-Lane)
1.100	22.24	999.00	22.24	999.00	0.00	861.8 (1-Lane)
1.200	8.80	999.00	8.80	999.00	0.00	341.1 (2-Lane)
1.200	11.77	999.00	11.77	999.00	0.00	456.1 (1-Lane)

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1.300	6.39	999.00	6.39	999.00	0.00 247.7 (2-Lane)
1.300	8.55	999.00	8.55	999.00	0.00 331.3 (1-Lane)
1.400	5.55	999.00	5.55	999.00	0.00 215.0 (2-Lane)
1.400	7.42	999.00	7.42	999.00	0.00 287.6 (1-Lane)
1.500	5.33	999.00	5.33	999.00	0.00 206.4 (2-Lane)
1.500	7.12	999.00	7.12	999.00	0.00 276.1 (1-Lane)
1.600	5.55	999.00	5.55	999.00	0.00 215.0 (2-Lane)
1.600	7.42	999.00	7.42	999.00	0.00 287.6 (1-Lane)
1.700	6.39	999.00	6.39	999.00	0.00 247.7 (2-Lane)
1.700	8.55	999.00	8.55	999.00	0.00 331.3 (1-Lane)
1.800	8.80	999.00	8.80	999.00	0.00 341.1 (2-Lane)
1.800	11.77	999.00	11.77	999.00	0.00 456.1 (1-Lane)
1.900	16.52	999.00	16.52	999.00	0.00 640.2 (2-Lane)
1.900	22.10	999.00	22.10	999.00	0.00 856.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.3	73.96	0.00	55.61	0.00	64.44	0.00
1.100	46.1	5.6	68.97	0.00	51.86	0.00	60.09	0.00
1.200	30.1	4.2	58.70	0.00	44.14	0.00	51.15	0.00
1.300	20.1	2.8	48.43	0.00	36.42	0.00	42.20	0.00
1.400	10.0	1.4	38.16	0.00	28.70	0.00	33.25	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00
1.600	-10.0	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00
1.700	-20.1	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00
1.800	-30.1	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00
1.900	-40.1	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00
1.949	-45.0	-12.5	-73.96	0.00	-55.61	0.00	-64.44	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-OPER

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	84.8	30.6	115.4	-126.8	103.9 (2-Lane)
1.400	87.8	30.6	118.4	-129.8	106.9 (1-Lane)
1.500	47.2	48.2	95.5	-95.5	95.5 (2-Lane)
1.500	47.6	48.2	95.9	-95.9	95.9 (1-Lane)
1.600	84.8	30.6	115.4	-103.9	126.8 (2-Lane)
1.600	87.8	30.6	118.4	-106.9	129.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-OPER
 Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.99	1.82	0.00	70.7 (2-Lane)
1.051	375.30	2.09	0.00	81.1 (1-Lane)
1.100	176.99	2.41	0.00	93.4 (2-Lane)
1.100	203.14	2.77	0.00	107.3 (1-Lane)
1.200	44.03	2.45	0.00	94.9 (2-Lane)
1.200	50.53	2.81	0.00	109.0 (1-Lane)
1.300	18.74	3.46	0.00	134.2 (2-Lane)
1.300	21.51	3.97	0.00	154.0 (1-Lane)
1.400	6.48	2.72	0.00	105.5 (2-Lane)
1.400	7.61	3.22	0.00	124.6 (1-Lane)
1.500	3.37	3.37	0.00	130.6 (2-Lane)
1.500	3.88	3.88	0.00	150.5 (1-Lane)
1.600	2.72	6.48	0.00	105.5 (2-Lane)
1.600	3.22	7.61	0.00	124.6 (1-Lane)
1.700	3.46	18.74	0.00	134.2 (2-Lane)
1.700	3.97	21.51	0.00	154.0 (1-Lane)
1.800	2.45	44.03	0.00	94.9 (2-Lane)
1.800	2.81	50.53	0.00	109.0 (1-Lane)
1.900	2.61	178.34	0.00	101.3 (2-Lane)
1.900	3.00	204.69	0.00	116.3 (1-Lane)
1.949	1.92	328.34	0.00	74.4 (2-Lane)
1.949	2.20	376.85	0.00	85.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-LEGL
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	346.03 R	260.17	258.74 R	194.54
1.200	455.9	63.5	602.06 R	452.67	450.18 R	338.48
1.300	598.3	83.3	768.09 R	577.51	574.33 R	431.83
1.400	683.8	95.2	863.15 R	648.98	645.41 R	485.27
1.500	712.3	99.2	880.89 R	662.32	658.67 R	495.24
1.600	683.8	95.2	863.15 R	648.98	645.41 R	485.27
1.700	598.3	83.3	768.09 R	577.51	574.33 R	431.83
1.800	455.9	63.5	602.06 R	452.67	450.18 R	338.48
1.900	256.4	35.7	346.03 R	260.17	258.74 R	194.54
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-LEGL
 Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1

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1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.89	999.00	16.89	999.00	0.00	422.1 (2-Lane)
1.100	22.58	999.00	22.58	999.00	0.00	564.6 (1-Lane)
1.200	9.26	999.00	9.26	999.00	0.00	231.6 (2-Lane)
1.200	12.39	999.00	12.39	999.00	0.00	309.7 (1-Lane)
1.300	7.05	999.00	7.05	999.00	0.00	176.3 (2-Lane)
1.300	9.43	999.00	9.43	999.00	0.00	235.7 (1-Lane)
1.400	6.16	999.00	6.16	999.00	0.00	154.0 (2-Lane)
1.400	8.24	999.00	8.24	999.00	0.00	206.0 (1-Lane)
1.500	6.00	999.00	6.00	999.00	0.00	150.0 (2-Lane)
1.500	8.02	999.00	8.02	999.00	0.00	200.6 (1-Lane)
1.600	6.16	999.00	6.16	999.00	0.00	154.0 (2-Lane)
1.600	8.24	999.00	8.24	999.00	0.00	206.0 (1-Lane)
1.700	7.05	999.00	7.05	999.00	0.00	176.3 (2-Lane)
1.700	9.43	999.00	9.43	999.00	0.00	235.7 (1-Lane)
1.800	9.26	999.00	9.26	999.00	0.00	231.6 (2-Lane)
1.800	12.39	999.00	12.39	999.00	0.00	309.7 (1-Lane)
1.900	16.77	999.00	16.77	999.00	0.00	419.4 (2-Lane)
1.900	22.43	999.00	22.43	999.00	0.00	560.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	72.22	54.30	62.93	47.31
1.100	46.1	5.6	67.93	51.08	59.19	44.50
1.200	30.1	4.2	59.10	44.43	51.49	38.71
1.300	20.1	2.8	50.26	37.79	43.79	32.93
1.400	10.0	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-10.0	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-20.1	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-30.1	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-40.1	-5.6	-67.93	-51.08	-59.19	-44.50
1.949	-45.0	-12.5	-72.22	-54.30	-62.93	-47.31
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3

Available Resistance for LL+I

	Shear Resistance Vc	Resistance Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	93.0	30.6	123.5	-135.0	112.1 (2-Lane)
1.400	95.6	30.6	126.2	-137.6	114.7 (1-Lane)
1.500	55.1	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	93.0	30.6	123.5	-112.1	135.0 (2-Lane)
1.600	95.6	30.6	126.2	-114.7	137.6 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.90	1.87	0.00	46.7 (2-Lane)
1.051	190.41	2.14	0.00	53.6 (1-Lane)
1.100	69.31	2.45	0.00	61.2 (2-Lane)
1.100	79.55	2.81	0.00	70.3 (1-Lane)
1.200	21.46	2.43	0.00	60.9 (2-Lane)
1.200	24.63	2.79	0.00	69.8 (1-Lane)
1.300	13.42	3.34	0.00	83.4 (2-Lane)
1.300	15.40	3.83	0.00	95.7 (1-Lane)
1.400	5.68	2.71	0.00	67.6 (2-Lane)
1.400	6.65	3.18	0.00	79.5 (1-Lane)
1.500	3.17	3.17	0.00	79.3 (2-Lane)
1.500	3.64	3.64	0.00	91.1 (1-Lane)
1.600	2.71	5.68	0.00	67.7 (2-Lane)
1.600	3.18	6.65	0.00	79.5 (1-Lane)
1.700	3.34	13.42	0.00	83.4 (2-Lane)
1.700	3.83	15.40	0.00	95.7 (1-Lane)
1.800	2.43	21.46	0.00	60.9 (2-Lane)
1.800	2.79	24.63	0.00	69.8 (1-Lane)
1.900	2.65	69.84	0.00	66.4 (2-Lane)
1.900	3.05	80.16	0.00	76.2 (1-Lane)
1.949	1.97	166.58	0.00	49.2 (2-Lane)
1.949	2.26	191.20	0.00	56.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1303

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	153.79 R	115.63	114.99 R	86.46
1.200	455.9	63.5	267.58 R	201.19	200.08 R	150.44
1.300	598.3	83.3	341.37 R	256.67	255.26 R	191.92
1.400	683.8	95.2	383.62 R	288.44	286.85 R	215.67
1.500	712.3	99.2	391.51 R	294.36	292.74 R	220.11

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9999999_20120831cy17_FlexuralRpt.txt
1.600      683.8      95.2      383.62 R      288.44      286.85 R      215.67
1.700      598.3      83.3      341.37 R      256.67      255.26 R      191.92
1.800      455.9      63.5      267.58 R      201.19      200.08 R      150.44
1.900      256.4      35.7      153.79 R      115.63      114.99 R      86.46
1.949      131.8      0.0       0.00 R      0.00       0.00 R      0.00
2.000      0.0       0.0       0.00 R      0.00       0.00 R      0.00

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• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1303
 SERVICE RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01						
Member I. D.		G07						
Rating Type:		III-LGL						
Rating Live Load:		STRESSES						
Rating Type:		3						
Rating Live Load:								
Span		Service Resistance			Available Resistance for LL+I			
		Positive	Bending	Negative	Positive	Bending	Negative	Bending
		Top	Bott.	Top	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1304
 SERVICE RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01						
Member I. D.		G07						
Rating Type:		III-LGL S						
Rating Live Load:		3						
		Service						
Span		Rating	Factor		Rating	Load		
		top fiber	bottom fiber					
		+bend	+bend	-bend	Value	Resistance	(tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	72.32	999.00	22.02	999.00	0.00	550.5	(2-Lane)	
1.100	96.71	999.00	29.45	999.00	0.00	736.2	(1-Lane)	
1.200	37.79	999.00	11.47	999.00	0.00	286.8	(2-Lane)	
1.200	50.54	999.00	15.34	999.00	0.00	383.6	(1-Lane)	
1.300	27.67	999.00	8.41	999.00	0.00	210.2	(2-Lane)	
1.300	37.01	999.00	11.24	999.00	0.00	281.1	(1-Lane)	
1.400	23.58	999.00	7.17	999.00	0.00	179.2	(2-Lane)	
1.400	31.54	999.00	9.59	999.00	0.00	239.7	(1-Lane)	
1.500	22.77	999.00	6.92	999.00	0.00	173.1	(2-Lane)	
1.500	30.45	999.00	9.26	999.00	0.00	231.5	(1-Lane)	
1.600	23.58	999.00	7.17	999.00	0.00	179.2	(2-Lane)	
1.600	31.54	999.00	9.59	999.00	0.00	239.7	(1-Lane)	
1.700	27.67	999.00	8.41	999.00	0.00	210.2	(2-Lane)	
1.700	37.01	999.00	11.24	999.00	0.00	281.1	(1-Lane)	
1.800	37.79	999.00	11.47	999.00	0.00	286.8	(2-Lane)	
1.800	50.54	999.00	15.34	999.00	0.00	383.6	(1-Lane)	
1.900	71.82	999.00	21.78	999.00	0.00	544.5	(2-Lane)	
1.900	96.05	999.00	29.13	999.00	0.00	728.2	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1305
 MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	0.00
1.100	218.4	35.7	408.35 R	307.03	305.33 R		229.57	229.57
1.200	455.9	63.5	672.70 R	505.79	503.00 R		378.19	378.19
1.300	598.3	83.3	880.54 R	662.06	658.41 R		495.04	495.04
1.400	683.8	95.2	974.81 R	732.94	728.90 R		548.05	548.05
1.500	712.3	99.2	956.79 R	719.39	715.43 R		537.91	537.91
1.600	683.8	95.2	974.81 R	732.94	728.90 R		548.05	548.05
1.700	598.3	83.3	880.54 R	662.06	658.41 R		495.04	495.04
1.800	455.9	63.5	672.70 R	505.79	503.00 R		378.19	378.19
1.900	256.4	35.7	408.35 R	307.03	305.33 R		229.57	229.57
1.949	131.8	0.0	0.00 R	0.00	0.00 R		0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1306

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1307

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.31	999.00	14.31	999.00	0.00	572.3 (2-Lane)
1.100	19.14	999.00	19.14	999.00	0.00	765.4 (1-Lane)
1.200	8.29	999.00	8.29	999.00	0.00	331.7 (2-Lane)
1.200	11.09	999.00	11.09	999.00	0.00	443.5 (1-Lane)
1.300	6.15	999.00	6.15	999.00	0.00	246.0 (2-Lane)
1.300	8.23	999.00	8.23	999.00	0.00	329.0 (1-Lane)
1.400	5.45	999.00	5.45	999.00	0.00	218.2 (2-Lane)
1.400	7.30	999.00	7.30	999.00	0.00	291.8 (1-Lane)
1.500	5.52	999.00	5.52	999.00	0.00	221.0 (2-Lane)
1.500	7.39	999.00	7.39	999.00	0.00	295.5 (1-Lane)
1.600	5.45	999.00	5.45	999.00	0.00	218.2 (2-Lane)
1.600	7.30	999.00	7.30	999.00	0.00	291.8 (1-Lane)
1.700	6.15	999.00	6.15	999.00	0.00	246.0 (2-Lane)
1.700	8.23	999.00	8.23	999.00	0.00	329.0 (1-Lane)
1.800	8.29	999.00	8.29	999.00	0.00	331.7 (2-Lane)
1.800	11.09	999.00	11.09	999.00	0.00	443.5 (1-Lane)
1.900	14.22	999.00	14.22	999.00	0.00	568.6 (2-Lane)
1.900	19.01	999.00	19.01	999.00	0.00	760.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1308

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	69.38	52.16	60.45	45.45
1.100	46.1	5.6	80.16	60.27	69.85	52.52
1.200	30.1	4.2	66.03	49.65	57.53	43.26
1.300	20.1	2.8	52.36	39.37	45.62	34.30
1.400	10.0	1.4	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-10.0	-1.4	-40.67	-30.58	-35.43	-26.64
1.700	-20.1	-2.8	-52.36	-39.37	-45.62	-34.30
1.800	-30.1	-4.2	-66.03	-49.65	-57.53	-43.26
1.900	-40.1	-5.6	-80.16	-60.27	-69.85	-52.52
1.949	-45.0	-12.5	-87.03	-65.44	-75.83	-57.02
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	87.4	30.6	118.0	-129.4	106.5 (2-Lane)
1.400	90.5	30.6	121.0	-132.5	109.6 (1-Lane)
1.500	49.0	48.2	97.2	-97.2	97.2 (2-Lane)
1.500	49.3	48.2	97.6	-97.6	97.6 (1-Lane)
1.600	87.4	30.6	118.0	-106.5	129.4 (2-Lane)
1.600	90.5	30.6	121.1	-109.6	132.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1310

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.90	1.94	0.00	77.8 (2-Lane)
1.051	190.41	2.23	0.00	89.2 (1-Lane)
1.100	69.31	2.08	0.00	83.0 (2-Lane)
1.100	79.55	2.38	0.00	95.3 (1-Lane)
1.200	21.46	2.18	0.00	87.1 (2-Lane)
1.200	24.63	2.50	0.00	100.0 (1-Lane)
1.300	13.42	3.20	0.00	128.1 (2-Lane)

1.300	15.40	3.68	0.00	147.0 (1-Lane)
1.400	5.91	2.62	0.00	104.8 (2-Lane)
1.400	6.94	3.09	0.00	123.7 (1-Lane)
1.500	3.33	3.33	0.00	133.3 (2-Lane)
1.500	3.84	3.84	0.00	153.5 (1-Lane)
1.600	2.62	5.91	0.00	104.8 (2-Lane)
1.600	3.09	6.94	0.00	123.7 (1-Lane)
1.700	3.20	13.42	0.00	128.1 (2-Lane)
1.700	3.68	15.40	0.00	147.0 (1-Lane)
1.800	2.18	21.46	0.00	87.1 (2-Lane)
1.800	2.50	24.63	0.00	100.0 (1-Lane)
1.900	2.25	69.84	0.00	90.0 (2-Lane)
1.900	2.58	80.16	0.00	103.3 (1-Lane)
1.949	1.63	166.58	0.00	65.3 (2-Lane)
1.949	1.87	191.20	0.00	74.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1311

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	35.7	181.49 R		136.46	135.70 R		102.03		102.03
1.200	455.9	63.5	298.98 R		224.79	223.56 R		168.09		168.09
1.300	598.3	83.3	391.35 R		294.25	292.63 R		220.02		220.02
1.400	683.8	95.2	433.25 R		325.75	323.96 R		243.58		243.58
1.500	712.3	99.2	425.24 R		319.73	317.97 R		239.07		239.07
1.600	683.8	95.2	433.25 R		325.75	323.96 R		243.58		243.58
1.700	598.3	83.3	391.35 R		294.25	292.63 R		220.02		220.02
1.800	455.9	63.5	298.98 R		224.79	223.55 R		168.09		168.09
1.900	256.4	35.7	181.49 R		136.46	135.70 R		102.03		102.03
1.949	131.8	0.0	0.00 R		0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1311

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating	Factor	Rating	Load
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	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend	Value	Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	61.28	999.00	18.66	999.00	0.00	746.4	(2-Lane)
1.100	81.95	999.00	24.95	999.00	0.00	999.0	(1-Lane)
1.200	33.82	999.00	10.27	999.00	0.00	410.7	(2-Lane)
1.200	45.24	999.00	13.73	999.00	0.00	549.3	(1-Lane)
1.300	24.14	999.00	7.33	999.00	0.00	293.3	(2-Lane)
1.300	32.28	999.00	9.81	999.00	0.00	392.3	(1-Lane)
1.400	20.88	999.00	6.35	999.00	0.00	253.9	(2-Lane)
1.400	27.93	999.00	8.49	999.00	0.00	339.6	(1-Lane)
1.500	20.96	999.00	6.37	999.00	0.00	254.9	(2-Lane)
1.500	28.03	999.00	8.52	999.00	0.00	341.0	(1-Lane)
1.600	20.88	999.00	6.35	999.00	0.00	253.9	(2-Lane)
1.600	27.93	999.00	8.49	999.00	0.00	339.6	(1-Lane)
1.700	24.14	999.00	7.33	999.00	0.00	293.3	(2-Lane)
1.700	32.28	999.00	9.81	999.00	0.00	392.3	(1-Lane)
1.800	33.82	999.00	10.27	999.00	0.00	410.7	(2-Lane)
1.800	45.24	999.00	13.73	999.00	0.00	549.3	(1-Lane)
1.900	60.86	999.00	18.45	999.00	0.00	738.2	(2-Lane)
1.900	81.39	999.00	24.68	999.00	0.00	987.2	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	350.45 R	263.50	262.05 R	197.03
1.200	455.9	63.5	578.51 R	434.97	432.57 R	325.24
1.300	598.3	83.3	724.75 R	544.92	541.92 R	407.46
1.400	683.8	95.2	761.27 R	572.38	569.23 R	427.99
1.500	712.3	99.2	807.25 R	606.96	603.61 R	453.84
1.600	683.8	95.2	761.27 R	572.38	569.23 R	427.99
1.700	598.3	83.3	724.75 R	544.92	541.92 R	407.46
1.800	455.9	63.5	578.51 R	434.97	432.57 R	325.24
1.900	256.4	35.7	350.45 R	263.50	262.05 R	197.03
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.67	999.00	16.67	999.00	0.00	666.9 (2-Lane)
1.100	22.30	999.00	22.30	999.00	0.00	891.9 (1-Lane)
1.200	9.64	999.00	9.64	999.00	0.00	385.6 (2-Lane)
1.200	12.89	999.00	12.89	999.00	0.00	515.8 (1-Lane)
1.300	7.47	999.00	7.47	999.00	0.00	298.9 (2-Lane)
1.300	9.99	999.00	9.99	999.00	0.00	399.7 (1-Lane)
1.400	6.99	999.00	6.99	999.00	0.00	279.4 (2-Lane)
1.400	9.34	999.00	9.34	999.00	0.00	373.7 (1-Lane)
1.500	6.55	999.00	6.55	999.00	0.00	261.9 (2-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	350.3 (1-Lane)
1.600	6.99	999.00	6.99	999.00	0.00	279.4 (2-Lane)
1.600	9.34	999.00	9.34	999.00	0.00	373.7 (1-Lane)
1.700	7.47	999.00	7.47	999.00	0.00	298.9 (2-Lane)
1.700	9.99	999.00	9.99	999.00	0.00	399.7 (1-Lane)
1.800	9.64	999.00	9.64	999.00	0.00	385.6 (2-Lane)
1.800	12.89	999.00	12.89	999.00	0.00	515.8 (1-Lane)
1.900	16.56	999.00	16.56	999.00	0.00	662.5 (2-Lane)
1.900	22.15	999.00	22.15	999.00	0.00	886.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	74.64	56.12	65.03	48.90
1.100	46.1	5.6	68.80	51.73	59.94	45.07
1.200	30.1	4.2	56.79	42.70	49.48	37.20
1.300	20.1	2.8	44.77	33.66	39.01	29.33
1.400	10.0	1.4	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-10.0	-1.4	-34.94	-26.27	-30.45	-22.89
1.700	-20.1	-2.8	-44.77	-33.66	-39.01	-29.33
1.800	-30.1	-4.2	-56.79	-42.70	-49.48	-37.20
1.900	-40.1	-5.6	-68.80	-51.73	-59.94	-45.07
1.949	-45.0	-12.5	-74.64	-56.12	-65.03	-48.90
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)

1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	88.3	30.6	118.9	-130.3	107.4 (2-Lane)
1.400	90.4	30.6	121.0	-132.4	109.6 (1-Lane)
1.500	49.6	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	49.5	48.2	97.7	-97.7	97.7 (1-Lane)
1.600	88.3	30.6	118.9	-107.4	130.3 (2-Lane)
1.600	90.4	30.6	121.0	-109.6	132.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	201.45	1.81	0.00	72.3 (2-Lane)
1.051	231.21	2.07	0.00	83.0 (1-Lane)
1.100	84.16	2.42	0.00	96.7 (2-Lane)
1.100	96.60	2.78	0.00	111.0 (1-Lane)
1.200	26.06	2.53	0.00	101.3 (2-Lane)
1.200	29.91	2.91	0.00	116.3 (1-Lane)
1.300	16.29	3.75	0.00	149.8 (2-Lane)
1.300	18.70	4.30	0.00	172.0 (1-Lane)
1.400	6.72	3.08	0.00	123.0 (2-Lane)
1.400	7.84	3.60	0.00	144.0 (1-Lane)
1.500	3.60	3.60	0.00	144.1 (2-Lane)
1.500	4.13	4.13	0.00	165.2 (1-Lane)
1.600	3.08	6.72	0.00	123.0 (2-Lane)
1.600	3.60	7.84	0.00	144.0 (1-Lane)
1.700	3.75	16.29	0.00	149.8 (2-Lane)
1.700	4.30	18.70	0.00	172.0 (1-Lane)
1.800	2.53	26.06	0.00	101.3 (2-Lane)
1.800	2.91	29.91	0.00	116.3 (1-Lane)
1.900	2.62	84.80	0.00	104.8 (2-Lane)
1.900	3.01	97.33	0.00	120.3 (1-Lane)
1.949	1.90	202.28	0.00	76.1 (2-Lane)
1.949	2.18	232.17	0.00	87.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	155.76 R	117.11	116.46 R	87.57
1.200	455.9	63.5	257.12 R	193.32	192.25 R	144.55
1.300	598.3	83.3	322.11 R	242.19	240.85 R	181.09
1.400	683.8	95.2	338.34 R	254.39	252.99 R	190.22
1.500	712.3	99.2	358.78 R	269.76	268.27 R	201.71
1.600	683.8	95.2	338.34 R	254.39	252.99 R	190.22
1.700	598.3	83.3	322.11 R	242.19	240.85 R	181.09
1.800	455.9	63.5	257.12 R	193.32	192.25 R	144.55
1.900	256.4	35.7	155.76 R	117.11	116.46 R	87.57
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: 3-3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL S
 Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.40	999.00	21.74	999.00	0.00	869.7 (2-Lane)
1.100	95.49	999.00	29.08	999.00	0.00	999.0 (1-Lane)
1.200	39.33	999.00	11.94	999.00	0.00	477.6 (2-Lane)
1.200	52.60	999.00	15.97	999.00	0.00	638.7 (1-Lane)
1.300	29.33	999.00	8.91	999.00	0.00	356.4 (2-Lane)
1.300	39.22	999.00	11.92	999.00	0.00	476.6 (1-Lane)
1.400	26.74	999.00	8.13	999.00	0.00	325.1 (2-Lane)
1.400	35.76	999.00	10.87	999.00	0.00	434.8 (1-Lane)
1.500	24.85	999.00	7.55	999.00	0.00	302.2 (2-Lane)
1.500	33.23	999.00	10.10	999.00	0.00	404.1 (1-Lane)
1.600	26.74	999.00	8.13	999.00	0.00	325.1 (2-Lane)
1.600	35.76	999.00	10.87	999.00	0.00	434.8 (1-Lane)
1.700	29.33	999.00	8.91	999.00	0.00	356.4 (2-Lane)
1.700	39.22	999.00	11.92	999.00	0.00	476.6 (1-Lane)
1.800	39.33	999.00	11.94	999.00	0.00	477.6 (2-Lane)
1.800	52.60	999.00	15.97	999.00	0.00	638.7 (1-Lane)
1.900	70.91	999.00	21.50	999.00	0.00	860.1 (2-Lane)
1.900	94.83	999.00	28.76	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
 Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.60		1.60	

9999999_20120831cy17_FlexuralRpt.txt									
	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R			0.00	
1.100	218.4	35.7	339.76 R	255.46	254.05 R			191.01	
1.200	455.9	63.5	593.12 R	445.96	443.50 R			333.46	
1.300	598.3	83.3	760.09 R	571.49	568.34 R			427.33	
1.400	683.8	95.2	866.58 R	651.56	647.97 R			487.20	
1.500	712.3	99.2	891.18 R	670.06	666.37 R			501.03	
1.600	683.8	95.2	866.58 R	651.56	647.97 R			487.20	
1.700	598.3	83.3	760.09 R	571.49	568.34 R			427.33	
1.800	455.9	63.5	593.12 R	445.96	443.50 R			333.46	
1.900	256.4	35.7	339.76 R	255.46	254.05 R			191.01	
1.949	131.8	0.0	0.00 R	0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.20	999.00	17.20	999.00	0.00	464.3 (2-Lane)
1.100	23.00	999.00	23.00	999.00	0.00	621.0 (1-Lane)
1.200	9.40	999.00	9.40	999.00	0.00	253.9 (2-Lane)
1.200	12.58	999.00	12.58	999.00	0.00	339.6 (1-Lane)
1.300	7.12	999.00	7.12	999.00	0.00	192.4 (2-Lane)
1.300	9.53	999.00	9.53	999.00	0.00	257.3 (1-Lane)
1.400	6.14	999.00	6.14	999.00	0.00	165.7 (2-Lane)
1.400	8.21	999.00	8.21	999.00	0.00	221.6 (1-Lane)
1.500	5.93	999.00	5.93	999.00	0.00	160.1 (2-Lane)
1.500	7.93	999.00	7.93	999.00	0.00	214.2 (1-Lane)
1.600	6.14	999.00	6.14	999.00	0.00	165.7 (2-Lane)
1.600	8.21	999.00	8.21	999.00	0.00	221.6 (1-Lane)
1.700	7.12	999.00	7.12	999.00	0.00	192.4 (2-Lane)
1.700	9.53	999.00	9.53	999.00	0.00	257.3 (1-Lane)
1.800	9.40	999.00	9.40	999.00	0.00	253.9 (2-Lane)
1.800	12.58	999.00	12.58	999.00	0.00	339.6 (1-Lane)
1.900	17.08	999.00	17.08	999.00	0.00	461.3 (2-Lane)
1.900	22.85	999.00	22.85	999.00	0.00	616.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	70.82	53.25	61.71	46.40
1.100	46.1	5.6	66.70	50.15	58.11	43.69
1.200	30.1	4.2	58.22	43.77	50.73	38.14
1.300	20.1	2.8	49.74	37.40	43.34	32.58
1.400	10.0	1.4	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-10.0	-1.4	-41.26	-31.02	-35.95	-27.03
1.700	-20.1	-2.8	-49.74	-37.40	-43.34	-32.58
1.800	-30.1	-4.2	-58.22	-43.77	-50.73	-38.14
1.900	-40.1	-5.6	-66.70	-50.15	-58.11	-43.69
1.949	-45.0	-12.5	-70.82	-53.25	-61.71	-46.39
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	92.6	30.6	123.2	-134.6	111.7 (2-Lane)
1.400	95.2	30.6	125.8	-137.2	114.4 (1-Lane)
1.500	55.1	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	92.6	30.6	123.2	-111.7	134.6 (2-Lane)
1.600	95.2	30.6	125.8	-114.4	137.2 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.64	1.90	0.00	51.4 (2-Lane)
1.051	214.21	2.19	0.00	59.0 (1-Lane)
1.100	77.97	2.49	0.00	67.3 (2-Lane)
1.100	89.49	2.86	0.00	77.3 (1-Lane)
1.200	22.26	2.47	0.00	66.7 (2-Lane)
1.200	25.56	2.84	0.00	76.6 (1-Lane)
1.300	13.23	3.37	0.00	91.0 (2-Lane)
1.300	15.18	3.87	0.00	104.5 (1-Lane)
1.400	5.54	2.71	0.00	73.1 (2-Lane)
1.400	6.48	3.18	0.00	85.9 (1-Lane)
1.500	3.15	3.15	0.00	85.1 (2-Lane)
1.500	3.62	3.62	0.00	97.8 (1-Lane)

1.600	2.71	5.54	0.00	73.1 (2-Lane)
1.600	3.18	6.48	0.00	85.9 (1-Lane)
1.700	3.37	13.23	0.00	91.0 (2-Lane)
1.700	3.87	15.18	0.00	104.5 (1-Lane)
1.800	2.47	22.26	0.00	66.7 (2-Lane)
1.800	2.84	25.56	0.00	76.6 (1-Lane)
1.900	2.70	78.57	0.00	73.0 (2-Lane)
1.900	3.10	90.18	0.00	83.8 (1-Lane)
1.949	2.01	187.41	0.00	54.2 (2-Lane)
1.949	2.30	215.10	0.00	62.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	35.7	169.88 R		127.73	127.02 R		95.51		
1.200	455.9	63.5	296.56 R		222.98	221.75 R		166.73		
1.300	598.3	83.3	380.04 R		285.75	284.17 R		213.66		
1.400	683.8	95.2	433.29 R		325.78	323.99 R		243.60		
1.500	712.3	99.2	445.59 R		335.03	333.18 R		250.51		
1.600	683.8	95.2	433.29 R		325.78	323.99 R		243.60		
1.700	598.3	83.3	380.04 R		285.75	284.17 R		213.66		
1.800	455.9	63.5	296.56 R		222.98	221.75 R		166.73		
1.900	256.4	35.7	169.88 R		127.73	127.02 R		95.51		
1.949	131.8	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1327

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	65.47	999.00	19.93	999.00	0.00 538.2 (2-Lane)
1.100	87.55	999.00	26.66	999.00	0.00 719.8 (1-Lane)
1.200	34.10	999.00	10.35	999.00	0.00 279.5 (2-Lane)
1.200	45.60	999.00	13.84	999.00	0.00 373.8 (1-Lane)
1.300	24.86	999.00	7.55	999.00	0.00 203.9 (2-Lane)
1.300	33.24	999.00	10.10	999.00	0.00 272.7 (1-Lane)
1.400	20.88	999.00	6.35	999.00	0.00 171.4 (2-Lane)
1.400	27.92	999.00	8.49	999.00	0.00 229.2 (1-Lane)
1.500	20.00	999.00	6.08	999.00	0.00 164.2 (2-Lane)
1.500	26.75	999.00	8.14	999.00	0.00 219.6 (1-Lane)
1.600	20.88	999.00	6.35	999.00	0.00 171.4 (2-Lane)
1.600	27.92	999.00	8.49	999.00	0.00 229.2 (1-Lane)
1.700	24.86	999.00	7.55	999.00	0.00 203.9 (2-Lane)
1.700	33.24	999.00	10.10	999.00	0.00 272.7 (1-Lane)
1.800	34.10	999.00	10.35	999.00	0.00 279.5 (2-Lane)
1.800	45.60	999.00	13.84	999.00	0.00 373.8 (1-Lane)
1.900	65.02	999.00	19.72	999.00	0.00 532.3 (2-Lane)
1.900	86.95	999.00	26.37	999.00	0.00 711.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	35.7	377.07 R		283.51	281.95 R		211.99
1.200	455.9	63.5	654.95 R		492.44	489.73 R		368.21
1.300	598.3	83.3	842.64 R		633.56	630.07 R		473.74
1.400	683.8	95.2	957.06 R		719.59	715.63 R		538.07
1.500	712.3	99.2	972.29 R		731.04	727.01 R		546.62
1.600	683.8	95.2	957.06 R		719.59	715.63 R		538.07
1.700	598.3	83.3	842.64 R		633.56	630.07 R		473.74
1.800	455.9	63.5	654.95 R		492.44	489.73 R		368.21
1.900	256.4	35.7	377.07 R		283.51	281.95 R		211.99
1.949	131.8	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.49	999.00	15.49	999.00	0.00	480.4 (2-Lane)
1.100	20.72	999.00	20.72	999.00	0.00	642.4 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00	264.0 (2-Lane)
1.200	11.39	999.00	11.39	999.00	0.00	353.1 (1-Lane)
1.300	6.43	999.00	6.43	999.00	0.00	199.2 (2-Lane)
1.300	8.60	999.00	8.60	999.00	0.00	266.4 (1-Lane)
1.400	5.56	999.00	5.56	999.00	0.00	172.2 (2-Lane)
1.400	7.43	999.00	7.43	999.00	0.00	230.4 (1-Lane)
1.500	5.44	999.00	5.44	999.00	0.00	168.5 (2-Lane)
1.500	7.27	999.00	7.27	999.00	0.00	225.4 (1-Lane)
1.600	5.56	999.00	5.56	999.00	0.00	172.2 (2-Lane)
1.600	7.43	999.00	7.43	999.00	0.00	230.4 (1-Lane)
1.700	6.43	999.00	6.43	999.00	0.00	199.2 (2-Lane)
1.700	8.60	999.00	8.60	999.00	0.00	266.4 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00	264.0 (2-Lane)
1.800	11.39	999.00	11.39	999.00	0.00	353.1 (1-Lane)
1.900	15.39	999.00	15.39	999.00	0.00	477.2 (2-Lane)
1.900	20.59	999.00	20.59	999.00	0.00	638.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	78.76	59.22	68.62	51.59
1.100	46.1	5.6	74.03	55.66	64.50	48.49
1.200	30.1	4.2	64.29	48.34	56.01	42.11
1.300	20.1	2.8	54.55	41.02	47.53	35.74
1.400	10.0	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-10.0	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-20.1	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-30.1	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-40.1	-5.6	-74.03	-55.66	-64.50	-48.49
1.949	-45.0	-12.5	-78.76	-59.22	-68.62	-51.59
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	93.4	30.6	124.0	-135.4	112.6 (2-Lane)
1.400	96.5	30.6	127.1	-138.5	115.7 (1-Lane)
1.500	56.0	48.2	104.2	-104.2	104.2 (2-Lane)

1.500	56.4	48.2	104.7	-104.7	104.7 (1-Lane)
1.600	93.4	30.6	124.0	-112.6	135.4 (2-Lane)
1.600	96.5	30.6	127.1	-115.7	138.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.64	1.71	0.00	53.1 (2-Lane)
1.051	214.21	1.97	0.00	60.9 (1-Lane)
1.100	77.97	2.25	0.00	69.7 (2-Lane)
1.100	89.49	2.58	0.00	79.9 (1-Lane)
1.200	22.26	2.24	0.00	69.4 (2-Lane)
1.200	25.56	2.57	0.00	79.6 (1-Lane)
1.300	12.37	3.07	0.00	95.3 (2-Lane)
1.300	14.20	3.53	0.00	109.4 (1-Lane)
1.400	5.34	2.51	0.00	77.9 (2-Lane)
1.400	6.27	2.96	0.00	91.8 (1-Lane)
1.500	2.97	2.97	0.00	92.1 (2-Lane)
1.500	3.42	3.42	0.00	106.2 (1-Lane)
1.600	2.51	5.34	0.00	77.9 (2-Lane)
1.600	2.96	6.27	0.00	91.8 (1-Lane)
1.700	3.07	12.37	0.00	95.3 (2-Lane)
1.700	3.53	14.20	0.00	109.4 (1-Lane)
1.800	2.24	22.26	0.00	69.4 (2-Lane)
1.800	2.57	25.56	0.00	79.6 (1-Lane)
1.900	2.44	78.57	0.00	75.5 (2-Lane)
1.900	2.80	90.18	0.00	86.7 (1-Lane)
1.949	1.80	187.41	0.00	55.9 (2-Lane)
1.949	2.07	215.10	0.00	64.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R				0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R				0.00	
1.100	218.4	35.7	188.54 R	141.76	140.97 R				106.00	
1.200	455.9	63.5	327.47 R	246.22	244.86 R				184.11	
1.300	598.3	83.3	421.32 R	316.78	315.04 R				236.87	
1.400	683.8	95.2	478.53 R	359.80	357.81 R				269.03	
1.500	712.3	99.2	486.14 R	365.52	363.51 R				273.31	
1.600	683.8	95.2	478.53 R	359.80	357.81 R				269.03	
1.700	598.3	83.3	421.32 R	316.78	315.04 R				236.87	
1.800	455.9	63.5	327.47 R	246.22	244.86 R				184.11	
1.900	256.4	35.7	188.54 R	141.76	140.97 R				106.00	
1.949	131.8	0.0	0.00 R	0.00	0.00 R				0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R				0.00	

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: III-LGL
 Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: III-LGL S
 Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.99	999.00	17.96	999.00	0.00	556.8 (2-Lane)
1.100	78.89	999.00	24.02	999.00	0.00	744.7 (1-Lane)
1.200	30.88	999.00	9.37	999.00	0.00	290.6 (2-Lane)
1.200	41.30	999.00	12.54	999.00	0.00	388.6 (1-Lane)
1.300	22.42	999.00	6.81	999.00	0.00	211.2 (2-Lane)
1.300	29.99	999.00	9.11	999.00	0.00	282.4 (1-Lane)
1.400	18.91	999.00	5.75	999.00	0.00	178.2 (2-Lane)
1.400	25.28	999.00	7.69	999.00	0.00	238.3 (1-Lane)
1.500	18.34	999.00	5.57	999.00	0.00	172.8 (2-Lane)
1.500	24.52	999.00	7.46	999.00	0.00	231.1 (1-Lane)
1.600	18.91	999.00	5.75	999.00	0.00	178.2 (2-Lane)
1.600	25.28	999.00	7.69	999.00	0.00	238.3 (1-Lane)
1.700	22.42	999.00	6.81	999.00	0.00	211.2 (2-Lane)
1.700	29.99	999.00	9.11	999.00	0.00	282.4 (1-Lane)
1.800	30.88	999.00	9.37	999.00	0.00	290.6 (2-Lane)
1.800	41.30	999.00	12.54	999.00	0.00	388.6 (1-Lane)
1.900	58.58	999.00	17.76	999.00	0.00	550.7 (2-Lane)
1.900	78.35	999.00	23.76	999.00	0.00	736.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07
 Rating Type: I-LEGL
 Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	397.96 R	299.22	297.57 R	223.74
1.200	455.9	63.5	717.98 R	539.83	536.86 R	403.65
1.300	598.3	83.3	932.71 R	701.29	697.42 R	524.38
1.400	683.8	95.2	1052.03 R	791.00	786.64 R	591.46

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1.500	712.3	99.2	1083.54 R	814.69	810.20 R		609.17
1.600	683.8	95.2	1052.03 R	791.00	786.64 R		591.46
1.700	598.3	83.3	932.71 R	701.29	697.42 R		524.38
1.800	455.9	63.5	717.98 R	539.83	536.86 R		403.65
1.900	256.4	35.7	397.96 R	299.22	297.57 R		223.74
1.949	131.8	0.0	0.00 R	0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-LEGL

Rating Live Load:

SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-LEGL

Rating Live Load:

SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.68	999.00	14.68	999.00	0.00	510.2 (2-Lane)
1.100	19.64	999.00	19.64	999.00	0.00	682.3 (1-Lane)
1.200	7.77	999.00	7.77	999.00	0.00	270.0 (2-Lane)
1.200	10.39	999.00	10.39	999.00	0.00	361.0 (1-Lane)
1.300	5.81	999.00	5.81	999.00	0.00	201.8 (2-Lane)
1.300	7.76	999.00	7.76	999.00	0.00	269.8 (1-Lane)
1.400	5.05	999.00	5.05	999.00	0.00	175.7 (2-Lane)
1.400	6.76	999.00	6.76	999.00	0.00	234.9 (1-Lane)
1.500	4.88	999.00	4.88	999.00	0.00	169.5 (2-Lane)
1.500	6.52	999.00	6.52	999.00	0.00	226.7 (1-Lane)
1.600	5.05	999.00	5.05	999.00	0.00	175.7 (2-Lane)
1.600	6.76	999.00	6.76	999.00	0.00	234.9 (1-Lane)
1.700	5.81	999.00	5.81	999.00	0.00	201.8 (2-Lane)
1.700	7.76	999.00	7.76	999.00	0.00	269.8 (1-Lane)
1.800	7.77	999.00	7.77	999.00	0.00	270.0 (2-Lane)
1.800	10.39	999.00	10.39	999.00	0.00	361.0 (1-Lane)
1.900	14.59	999.00	14.59	999.00	0.00	506.9 (2-Lane)
1.900	19.51	999.00	19.51	999.00	0.00	677.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G07

Rating Type:

I-LEGL

Rating Live Load:

SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.60	1.60	1.60	1.60
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	83.43	62.73	72.69	54.66
1.100	46.1	5.6	78.13	58.74	68.07	51.18
1.200	30.1	4.2	67.21	50.54	58.56	44.03
1.300	20.1	2.8	56.30	42.33	49.05	36.88
1.400	10.0	1.4	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-10.0	-1.4	-45.38	-34.12	-39.54	-29.73
1.700	-20.1	-2.8	-56.30	-42.33	-49.05	-36.88
1.800	-30.1	-4.2	-67.21	-50.54	-58.56	-44.03
1.900	-40.1	-5.6	-78.13	-58.74	-68.07	-51.18
1.949	-45.0	-12.5	-83.43	-62.73	-72.69	-54.66
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	90.4	30.6	120.9	-132.4	109.5 (2-Lane)
1.400	93.8	30.6	124.4	-135.8	112.9 (1-Lane)
1.500	52.7	48.2	101.0	-101.0	101.0 (2-Lane)
1.500	53.5	48.2	101.7	-101.7	101.7 (1-Lane)
1.600	90.4	30.6	120.9	-109.5	132.4 (2-Lane)
1.600	93.8	30.6	124.4	-112.9	135.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.90	1.62	0.00	56.2 (2-Lane)
1.051	316.66	1.86	0.00	64.5 (1-Lane)
1.100	131.85	2.13	0.00	74.0 (2-Lane)
1.100	151.33	2.44	0.00	84.9 (1-Lane)
1.200	28.14	2.14	0.00	74.4 (2-Lane)
1.200	32.29	2.46	0.00	85.4 (1-Lane)
1.300	13.78	2.98	0.00	103.5 (2-Lane)
1.300	15.81	3.42	0.00	118.8 (1-Lane)
1.400	5.38	2.41	0.00	83.8 (2-Lane)
1.400	6.34	2.86	0.00	99.2 (1-Lane)
1.500	2.93	2.93	0.00	101.8 (2-Lane)
1.500	3.39	3.39	0.00	117.7 (1-Lane)
1.600	2.41	5.38	0.00	83.9 (2-Lane)
1.600	2.86	6.34	0.00	99.2 (1-Lane)
1.700	2.98	13.78	0.00	103.5 (2-Lane)
1.700	3.42	15.81	0.00	118.8 (1-Lane)
1.800	2.14	28.14	0.00	74.4 (2-Lane)
1.800	2.46	32.29	0.00	85.4 (1-Lane)

1.900	2.31	132.86	0.00	80.2 (2-Lane)
1.900	2.65	152.49	0.00	92.0 (1-Lane)
1.949	1.70	277.04	0.00	59.2 (2-Lane)
1.949	1.95	317.97	0.00	67.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1343

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG
Rating Live Load: SU6

Gamma	DC	DW	LL		LL
	1.00	1.00	0.80	(2-Lane)	(1-Lane)
				0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	198.98 R	149.61	148.79 R	111.87	111.87	111.87
1.200	455.9	63.5	358.99 R	269.92	268.43 R	201.83	201.83	201.83
1.300	598.3	83.3	466.36 R	350.64	348.71 R	262.19	262.19	262.19
1.400	683.8	95.2	526.02 R	395.50	393.32 R	295.73	295.73	295.73
1.500	712.3	99.2	541.77 R	407.35	405.10 R	304.59	304.59	304.59
1.600	683.8	95.2	526.02 R	395.50	393.32 R	295.73	295.73	295.73
1.700	598.3	83.3	466.36 R	350.64	348.71 R	262.19	262.19	262.19
1.800	455.9	63.5	358.99 R	269.92	268.43 R	201.83	201.83	201.83
1.900	256.4	35.7	198.98 R	149.61	148.79 R	111.87	111.87	111.87
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1343

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1344

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.89	999.00	17.02	999.00	0.00	591.4 (2-Lane)
1.100	74.75	999.00	22.76	999.00	0.00	790.9 (1-Lane)
1.200	28.17	999.00	8.55	999.00	0.00	297.2 (2-Lane)
1.200	37.67	999.00	11.44	999.00	0.00	397.4 (1-Lane)

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1.300	20.26	999.00	6.15	999.00	0.00	213.9	(2-Lane)
1.300	27.09	999.00	8.23	999.00	0.00	286.0	(1-Lane)
1.400	17.20	999.00	5.23	999.00	0.00	181.7	(2-Lane)
1.400	23.00	999.00	6.99	999.00	0.00	243.0	(1-Lane)
1.500	16.45	999.00	5.00	999.00	0.00	173.8	(2-Lane)
1.500	22.00	999.00	6.69	999.00	0.00	232.5	(1-Lane)
1.600	17.20	999.00	5.23	999.00	0.00	181.7	(2-Lane)
1.600	23.00	999.00	6.99	999.00	0.00	243.0	(1-Lane)
1.700	20.26	999.00	6.15	999.00	0.00	213.9	(2-Lane)
1.700	27.09	999.00	8.23	999.00	0.00	286.0	(1-Lane)
1.800	28.17	999.00	8.55	999.00	0.00	297.2	(2-Lane)
1.800	37.67	999.00	11.44	999.00	0.00	397.4	(1-Lane)
1.900	55.51	999.00	16.83	999.00	0.00	584.9	(2-Lane)
1.900	74.23	999.00	22.51	999.00	0.00	782.3	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1345

MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G07								
Rating Type:		I-LEGL								
Rating Live Load:		SU7								
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL 1.60				LL 1.60			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	218.4	35.7	416.40 R		313.08	311.35 R			234.10	
1.200	455.9	63.5	751.06 R		564.71	561.60 R			422.25	
1.300	598.3	83.3	1004.00 R		754.88	750.72 R			564.45	
1.400	683.8	95.2	1135.75 R		853.95	849.24 R			638.53	
1.500	712.3	99.2	1175.91 R		884.14	879.27 R			661.11	
1.600	683.8	95.2	1135.75 R		853.95	849.24 R			638.53	
1.700	598.3	83.3	1004.00 R		754.88	750.72 R			564.45	
1.800	455.9	63.5	751.06 R		564.71	561.60 R			422.25	
1.900	256.4	35.7	416.40 R		313.08	311.35 R			234.10	
1.949	131.8	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G07							
Rating Type:		I-LEGL							
Rating Live Load:		SU7							
Span		Moment	Resistance		Available Resistance for LL+I				
		Positive	Bending	Negative	Positive	Bending	Negative	Bending	
		Top	Bott.	Top	Top	Bott.	Top	Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5842.8	5842.8	-254.1	-254.1	
1.200	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4	
1.300	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7	
1.400	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0	
1.500	6096.9	6096.9	0.0	0.0	5285.4	5285.4	-811.5	-811.5	
1.600	6096.9	6096.9	0.0	0.0	5317.8	5317.8	-779.0	-779.0	
1.700	6096.9	6096.9	0.0	0.0	5415.2	5415.2	-681.7	-681.7	
1.800	6096.9	6096.9	0.0	0.0	5577.5	5577.5	-519.4	-519.4	
1.900	6096.9	6096.9	0.0	0.0	5804.7	5804.7	-292.1	-292.1	
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1347

MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G07			
Rating Type:		I-LEGL			
Rating Live Load:		SU7			
Moment					
Span	Rating	Factor	Rating	Load	
	top fiber		bottom fiber	Value	Resistance
	+bend	-bend	+bend	-bend	(tons)

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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.03	999.00	14.03	999.00	0.00	543.7 (2-Lane)
1.100	18.77	999.00	18.77	999.00	0.00	727.2 (1-Lane)
1.200	7.43	999.00	7.43	999.00	0.00	287.8 (2-Lane)
1.200	9.93	999.00	9.93	999.00	0.00	384.8 (1-Lane)
1.300	5.39	999.00	5.39	999.00	0.00	209.0 (2-Lane)
1.300	7.21	999.00	7.21	999.00	0.00	279.5 (1-Lane)
1.400	4.68	999.00	4.68	999.00	0.00	181.4 (2-Lane)
1.400	6.26	999.00	6.26	999.00	0.00	242.6 (1-Lane)
1.500	4.49	999.00	4.49	999.00	0.00	174.2 (2-Lane)
1.500	6.01	999.00	6.01	999.00	0.00	232.9 (1-Lane)
1.600	4.68	999.00	4.68	999.00	0.00	181.4 (2-Lane)
1.600	6.26	999.00	6.26	999.00	0.00	242.6 (1-Lane)
1.700	5.39	999.00	5.39	999.00	0.00	209.0 (2-Lane)
1.700	7.21	999.00	7.21	999.00	0.00	279.5 (1-Lane)
1.800	7.43	999.00	7.43	999.00	0.00	287.8 (2-Lane)
1.800	9.93	999.00	9.93	999.00	0.00	384.8 (1-Lane)
1.900	13.94	999.00	13.94	999.00	0.00	540.2 (2-Lane)
1.900	18.64	999.00	18.64	999.00	0.00	722.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1348

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.3	87.66	65.91	76.38	57.43
1.100	46.1	5.6	81.75	61.46	71.22	53.55
1.200	30.1	4.2	69.57	52.31	60.62	45.58
1.300	20.1	2.8	57.40	43.16	50.01	37.60
1.400	10.0	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-10.0	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-20.1	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-30.1	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-40.1	-5.6	-81.75	-61.46	-71.22	-53.55
1.949	-45.0	-12.5	-87.66	-65.91	-76.38	-57.43
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (2-Lane)
1.051	65.6	129.9	195.5	-256.1	134.9 (1-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (2-Lane)
1.100	74.9	143.2	218.0	-269.7	166.3 (1-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (2-Lane)
1.200	95.6	82.6	178.1	-212.4	143.8 (1-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (2-Lane)
1.300	108.0	82.6	190.6	-213.4	167.7 (1-Lane)
1.400	87.1	30.6	117.7	-129.2	106.3 (2-Lane)
1.400	90.8	30.6	121.4	-132.8	109.9 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	50.8	48.2	99.0	-99.0	99.0 (1-Lane)
1.600	87.1	30.6	117.7	-106.3	129.2 (2-Lane)
1.600	90.8	30.6	121.4	-109.9	132.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (2-Lane)
1.700	108.0	82.6	190.6	-167.7	213.4 (1-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (2-Lane)
1.800	95.6	82.6	178.1	-143.8	212.4 (1-Lane)
1.900	78.2	147.9	226.0	-180.3	271.8 (2-Lane)

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1.900	78.2	147.9	226.0	-180.3	271.8 (1-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (2-Lane)
1.949	67.3	132.3	199.6	-142.1	257.2 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: I-LEGL
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.90	1.54	0.00	59.6 (2-Lane)
1.051	316.66	1.77	0.00	68.4 (1-Lane)
1.100	149.34	2.04	0.00	78.8 (2-Lane)
1.100	171.40	2.34	0.00	90.5 (1-Lane)
1.200	37.15	2.07	0.00	80.1 (2-Lane)
1.200	42.63	2.37	0.00	92.0 (1-Lane)
1.300	15.81	2.92	0.00	113.2 (2-Lane)
1.300	18.15	3.35	0.00	129.9 (1-Lane)
1.400	5.57	2.35	0.00	91.1 (2-Lane)
1.400	6.57	2.79	0.00	108.1 (1-Lane)
1.500	2.92	2.92	0.00	113.2 (2-Lane)
1.500	3.38	3.38	0.00	131.2 (1-Lane)
1.600	2.35	5.57	0.00	91.1 (2-Lane)
1.600	2.79	6.57	0.00	108.1 (1-Lane)
1.700	2.92	15.81	0.00	113.2 (2-Lane)
1.700	3.35	18.15	0.00	129.9 (1-Lane)
1.800	2.07	37.15	0.00	80.1 (2-Lane)
1.800	2.37	42.63	0.00	92.0 (1-Lane)
1.900	2.21	150.48	0.00	85.5 (2-Lane)
1.900	2.53	172.71	0.00	98.1 (1-Lane)
1.949	1.62	277.04	0.00	62.8 (2-Lane)
1.949	1.86	317.97	0.00	72.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	208.20 R	156.54	155.68 R	117.05
1.200	455.9	63.5	375.53 R	282.35	280.80 R	211.13
1.300	598.3	83.3	502.00 R	377.44	375.36 R	282.23
1.400	683.8	95.2	567.88 R	426.97	424.62 R	319.26
1.500	712.3	99.2	587.96 R	442.07	439.63 R	330.55
1.600	683.8	95.2	567.88 R	426.97	424.62 R	319.26
1.700	598.3	83.3	502.00 R	377.44	375.36 R	282.23
1.800	455.9	63.5	375.53 R	282.35	280.80 R	211.13
1.900	256.4	35.7	208.20 R	156.54	155.68 R	117.05
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1351

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G07

Rating Type: III-LGL S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.42	999.00	16.27	999.00	0.00	630.3 (2-Lane)
1.100	71.44	999.00	21.75	999.00	0.00	842.9 (1-Lane)
1.200	26.93	999.00	8.17	999.00	0.00	316.8 (2-Lane)
1.200	36.01	999.00	10.93	999.00	0.00	423.6 (1-Lane)
1.300	18.82	999.00	5.72	999.00	0.00	221.5 (2-Lane)
1.300	25.17	999.00	7.65	999.00	0.00	296.3 (1-Lane)
1.400	15.93	999.00	4.84	999.00	0.00	187.7 (2-Lane)
1.400	21.31	999.00	6.48	999.00	0.00	251.0 (1-Lane)
1.500	15.16	999.00	4.61	999.00	0.00	178.6 (2-Lane)
1.500	20.28	999.00	6.16	999.00	0.00	238.9 (1-Lane)
1.600	15.93	999.00	4.84	999.00	0.00	187.7 (2-Lane)
1.600	21.31	999.00	6.48	999.00	0.00	251.0 (1-Lane)
1.700	18.82	999.00	5.72	999.00	0.00	221.5 (2-Lane)
1.700	25.17	999.00	7.65	999.00	0.00	296.3 (1-Lane)
1.800	26.93	999.00	8.17	999.00	0.00	316.8 (2-Lane)
1.800	36.01	999.00	10.93	999.00	0.00	423.6 (1-Lane)
1.900	53.05	999.00	16.09	999.00	0.00	623.4 (2-Lane)
1.900	70.95	999.00	21.51	999.00	0.00	833.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
System Factor: 1.000
ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment											
	Span 1				Span 2				Span 3		
	R1	R2	R3		R1	R2	R3		R1	R2	R3
1-lane DF	0.495	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
	Span 1				Span 2				Span 3		
	R1	R2	R3		R1	R2	R3		R1	R2	R3

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2-lane DF | 0.662 0.000 0.000| 0.000 0.000 0.000| 0.000 0.000 0.000| 0.000|
2-lane ft | 56.786 0.000 0.000| 0.000 0.000 0.000| 0.000| 0.000 0.000 0.000|

LRFD LLDF Shear

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID	G08	01-IG008			
Symmetry:					
Span Length:	Span 1 56.786	Span 2 0.000	Span 3 0.000	Span 4 0.000	Span 5 0.000

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	18.929	1	2		0.0	0.0
1	2	18.928	2	0		0.0	0.0
1	3	18.929	2	1		0.0	0.0

Range Length -- Composite:			
Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
1	W	0.000	196.9	196.9	56.786	0.0
1	Z	0.000	249.9	249.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.
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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.			G08									
Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands	
											Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33
1.048	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.64
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88
1.948	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.58
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.				G08						
Span	Sect. Area	Neutral Axis		Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force		
		Top	Bott.					Fi	Total	Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5
1.048	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.63	743.6	157.2	586.4
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	158.5	585.1
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	160.3	583.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	165.0	578.5
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	164.9	578.7
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	163.7	579.9
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	164.9	578.7
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	165.0	578.5
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	160.3	583.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	157.5	586.1
1.948	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.70	743.6	156.9	586.7
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Span	Neutral Axis		Moment of Inertia	+Bend (n=3n)	+Bend (n=n)	Section Modulus		+Bend (n=3n)	+Bend (n=n)
	Top	Bott.				Top	Bott.		
1.000	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.048	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.100	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.200	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.300	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.400	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.500	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.600	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.700	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.800	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.900	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
1.948	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	
2.000	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1354

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.048	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.948	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC		DW	(2-Lane)		(1-Lane)	
	1.25			LL 1.75		LL 1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.200	468.8	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	615.3	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	703.2	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	732.5	99.2	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	703.2	95.2	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	615.3	83.3	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	468.8	63.5	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	263.7	35.7	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance		Negative Bending	Top	Bending	Top	Available Resistance for LL+I	
	Positive Top	Bending Bott.					Positive Bending Top	Negative Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4

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1.700 3712.8 3712.8 0.0 0.0 3014.2 3014.2 -698.6 -698.6
1.800 3593.5 3593.5 0.0 0.0 3061.3 3061.3 -532.3 -532.3
1.900 3474.2 3474.2 0.0 0.0 3174.8 3174.8 -299.4 -299.4
1.948 3417.2 3417.2 0.0 0.0 3279.6 3279.6 -137.6 -137.6
2.000 3355.0 3355.0 0.0 0.0 3355.0 3355.0 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	5.64	999.00	5.64	999.00	0.00	203.0 (2-Lane)
1.100	7.54	999.00	7.54	999.00	0.00	271.5 (1-Lane)
1.200	3.09	999.00	3.09	999.00	0.00	111.1 (2-Lane)
1.200	4.13	999.00	4.13	999.00	0.00	148.6 (1-Lane)
1.300	2.39	999.00	2.39	999.00	0.00	85.9 (2-Lane)
1.300	3.19	999.00	3.19	999.00	0.00	114.9 (1-Lane)
1.400	2.08	999.00	2.08	999.00	0.00	74.9 (2-Lane)
1.400	2.78	999.00	2.78	999.00	0.00	100.2 (1-Lane)
1.500	2.03	999.00	2.03	999.00	0.00	72.9 (2-Lane)
1.500	2.71	999.00	2.71	999.00	0.00	97.5 (1-Lane)
1.600	2.08	999.00	2.08	999.00	0.00	74.9 (2-Lane)
1.600	2.78	999.00	2.78	999.00	0.00	100.2 (1-Lane)
1.700	2.39	999.00	2.39	999.00	0.00	85.9 (2-Lane)
1.700	3.19	999.00	3.19	999.00	0.00	114.9 (1-Lane)
1.800	3.09	999.00	3.09	999.00	0.00	111.1 (2-Lane)
1.800	4.13	999.00	4.13	999.00	0.00	148.6 (1-Lane)
1.900	5.56	999.00	5.56	999.00	0.00	200.2 (2-Lane)
1.900	7.44	999.00	7.44	999.00	0.00	267.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	118.76	0.00	94.57	0.00	103.47	0.00	82.40
1.100	48.4	5.6	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	31.0	4.2	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	20.6	2.8	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	10.3	1.4	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-10.3	-1.4	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-20.6	-2.8	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-31.0	-4.2	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-41.3	-5.6	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.948	-46.2	-12.5	-117.98	0.00	-93.94	0.00	-102.79	0.00	-81.84
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	108.2	47.7	166.9	-190.4	143.5 (2-Lane)
1.300	114.2	47.7	172.9	-196.3	149.4 (1-Lane)
1.400	69.7	32.1	101.8	-113.6	90.1 (2-Lane)
1.400	72.8	32.1	104.9	-116.6	93.2 (1-Lane)
1.500	42.5	50.6	93.1	-93.1	93.1 (2-Lane)
1.500	43.6	50.6	94.2	-94.2	94.2 (1-Lane)
1.600	69.7	32.1	101.8	-90.1	113.6 (2-Lane)
1.600	72.8	32.1	104.9	-93.2	116.6 (1-Lane)
1.700	108.2	47.7	166.9	-143.5	190.4 (2-Lane)
1.700	114.2	47.7	172.9	-149.4	196.3 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	115.17	1.48	0.00	53.2 (2-Lane)
1.048	132.19	1.70	0.00	61.1 (1-Lane)
1.100	55.75	1.84	0.00	66.2 (2-Lane)
1.100	63.98	2.11	0.00	76.0 (1-Lane)
1.200	15.86	1.80	0.00	65.0 (2-Lane)
1.200	18.20	2.07	0.00	74.6 (1-Lane)
1.300	7.66	1.85	0.00	66.4 (2-Lane)
1.300	9.06	2.21	0.00	79.4 (1-Lane)
1.400	3.24	1.45	0.00	52.1 (2-Lane)
1.400	3.82	1.72	0.00	61.8 (1-Lane)
1.500	1.97	1.97	0.00	70.8 (2-Lane)
1.500	2.28	2.28	0.00	82.2 (1-Lane)
1.600	1.45	3.24	0.00	52.1 (2-Lane)
1.600	1.72	3.82	0.00	61.8 (1-Lane)
1.700	1.85	7.66	0.00	66.4 (2-Lane)
1.700	2.21	9.06	0.00	79.4 (1-Lane)
1.800	1.80	15.86	0.00	65.0 (2-Lane)
1.800	2.07	18.20	0.00	74.6 (1-Lane)
1.900	1.99	53.90	0.00	71.6 (2-Lane)
1.900	2.28	61.87	0.00	82.2 (1-Lane)
1.948	1.58	103.51	0.00	56.8 (2-Lane)
1.948	1.81	118.81	0.00	65.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)	(1-Lane)
	DC	1.00	DW	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	375.0	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00

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1.300	492.2	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98
1.400	562.5	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08
1.500	586.0	79.4	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05
1.600	562.5	76.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08
1.700	492.2	66.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98
1.800	375.0	50.8	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21
1.900	210.9	28.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1361
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G08									
Rating Type: III-INV									
Rating Live Load: STRESSES									
Rating Type: HL93									
Rating Live Load:									
Span	Service Resistance				Available Resistance for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.	
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6	
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8	
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1	
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7	
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1	
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3	
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3	
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3	
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1	
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7	
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2	
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9	
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6	

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1362
SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G08									
Rating Type: III-INV S									
Rating Live Load: HL93									
Service									
Span	top	Rating	Factor	bottom	Rating	Load			
	fiber			fiber	Value	Resistance			
	+bend	-bend		+bend		(tons)			
1.000	999.00	999.00		999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00		999.00	0.00	999.0 (1-Lane)			
1.048	999.00	999.00		999.00	0.00	999.0 (2-Lane)			
1.048	999.00	999.00		999.00	0.00	999.0 (1-Lane)			
1.100	27.13	999.00		8.18	0.00	294.6 (2-Lane)			
1.100	36.28	999.00		10.94	0.00	394.0 (1-Lane)			
1.200	14.18	999.00		4.22	0.00	152.0 (2-Lane)			
1.200	18.96	999.00		5.65	0.00	203.3 (1-Lane)			
1.300	10.64	999.00		3.15	0.00	113.3 (2-Lane)			
1.300	14.23	999.00		4.21	0.00	151.6 (1-Lane)			
1.400	9.03	999.00		2.67	0.00	96.0 (2-Lane)			
1.400	12.08	999.00		3.57	0.00	128.4 (1-Lane)			
1.500	8.68	999.00		2.56	0.00	92.2 (2-Lane)			
1.500	11.60	999.00		3.43	0.00	123.3 (1-Lane)			
1.600	9.03	999.00		2.67	0.00	96.0 (2-Lane)			
1.600	12.08	999.00		3.57	0.00	128.4 (1-Lane)			
1.700	10.64	999.00		3.15	0.00	113.3 (2-Lane)			
1.700	14.23	999.00		4.21	0.00	151.6 (1-Lane)			
1.800	14.18	999.00		4.22	0.00	152.0 (2-Lane)			
1.800	18.96	999.00		5.65	0.00	203.3 (1-Lane)			
1.900	26.78	999.00		8.02	0.00	288.6 (2-Lane)			
1.900	35.81	999.00		10.72	0.00	385.9 (1-Lane)			
1.948	999.00	999.00		999.00	0.00	999.0 (2-Lane)			
1.948	999.00	999.00		999.00	0.00	999.0 (1-Lane)			
2.000	999.00	999.00		999.00	0.00	999.0 (2-Lane)			
2.000	999.00	999.00		999.00	0.00	999.0 (1-Lane)			

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G08									
Rating Type:	I-INV									
Rating Live Load:	HS20									
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL	LL	LL	LL	LL	LL	LL	LL
			1.75						1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	468.8	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	615.3	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	703.2	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	732.5	99.2	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	703.2	95.2	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	615.3	83.3	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	468.8	63.5	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	263.7	35.7	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G08							
Rating Type:	I-INV							
Rating Live Load:	HS20							
Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G08							
Rating Type:	I-INV							
Rating Live Load:	HS20							
Span	top fiber +bend	Rating Factor bottom fiber -bend	Factor bottom fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)	
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)	
1.100	6.95	999.00	6.95	999.00	138.97	250.1	(2-Lane)	
1.100	9.29	999.00	9.29	999.00	185.86	334.5	(1-Lane)	
1.200	3.82	999.00	3.82	999.00	76.45	137.6	(2-Lane)	
1.200	5.11	999.00	5.11	999.00	102.24	184.0	(1-Lane)	
1.300	2.98	999.00	2.98	999.00	59.55	107.2	(2-Lane)	
1.300	3.98	999.00	3.98	999.00	79.64	143.4	(1-Lane)	
1.400	2.61	999.00	2.61	999.00	52.18	93.9	(2-Lane)	
1.400	3.49	999.00	3.49	999.00	69.79	125.6	(1-Lane)	
1.500	2.55	999.00	2.55	999.00	51.09	92.0	(2-Lane)	
1.500	3.42	999.00	3.42	999.00	68.32	123.0	(1-Lane)	
1.600	2.61	999.00	2.61	999.00	52.18	93.9	(2-Lane)	
1.600	3.49	999.00	3.49	999.00	69.79	125.6	(1-Lane)	
1.700	2.98	999.00	2.98	999.00	59.55	107.2	(2-Lane)	
1.700	3.98	999.00	3.98	999.00	79.64	143.4	(1-Lane)	
1.800	3.82	999.00	3.82	999.00	76.45	137.6	(2-Lane)	
1.800	5.11	999.00	5.11	999.00	102.24	184.0	(1-Lane)	
1.900	6.85	999.00	6.85	999.00	137.01	246.6	(2-Lane)	
1.900	9.16	999.00	9.16	999.00	183.24	329.8	(1-Lane)	
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)	

1.948 999.00 999.00 999.00 999.00 999.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 999.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 999.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: HS20

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 1.75 1.75

Table with 11 columns: Span, Dead Load, Superimposed Dead Load, Live Load w/impact Truck, Live Load w/o impact Lane, Live Load w/o impact Truck, Live Load w/impact Lane, Live Load w/impact Truck, Live Load w/o impact Lane, Live Load w/o impact Truck, Live Load w/impact Lane. Rows include spans from 1.000 to 2.000.

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: HS20

Table with 6 columns: Vc, Vs, Vn, Available Resistance for LL+I (-), Available Resistance for LL+I (+). Rows include spans from 1.000 to 2.000.

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: HS20

Shear

Table with 5 columns: Span, Rating (-), Factor (+), Rating Value, Load Resistance (tons). Rows include spans from 1.000 to 1.200.

1.200	24.98	2.47	49.34	88.8 (1-Lane)
1.300	9.86	2.18	43.71	78.7 (2-Lane)
1.300	11.62	2.60	51.92	93.5 (1-Lane)
1.400	3.76	1.69	33.77	60.8 (2-Lane)
1.400	4.41	1.99	39.79	71.6 (1-Lane)
1.500	2.25	2.25	44.99	81.0 (2-Lane)
1.500	2.60	2.60	51.97	93.5 (1-Lane)
1.600	1.69	3.76	33.77	60.8 (2-Lane)
1.600	1.99	4.41	39.79	71.6 (1-Lane)
1.700	2.18	9.86	43.71	78.7 (2-Lane)
1.700	2.60	11.62	51.92	93.5 (1-Lane)
1.800	2.15	21.77	42.99	77.4 (2-Lane)
1.800	2.47	24.98	49.34	88.8 (1-Lane)
1.900	2.40	56.86	48.10	86.6 (2-Lane)
1.900	2.76	65.26	55.21	99.4 (1-Lane)
1.948	1.92	105.82	38.39	69.1 (2-Lane)
1.948	2.20	121.45	44.06	79.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	375.0	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	492.2	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	562.5	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	586.0	79.4	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	562.5	76.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	492.2	66.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	375.0	50.8	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	210.9	28.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S

Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	33.43	999.00	10.08	999.00	201.67	363.0	(2-Lane)
1.100	44.70	999.00	13.49	999.00	269.71	485.5	(1-Lane)
1.200	17.56	999.00	5.23	999.00	104.60	188.3	(2-Lane)
1.200	23.49	999.00	6.99	999.00	139.89	251.8	(1-Lane)
1.300	13.28	999.00	3.93	999.00	78.58	141.5	(2-Lane)
1.300	17.76	999.00	5.26	999.00	105.10	189.2	(1-Lane)
1.400	11.32	999.00	3.34	999.00	66.86	120.3	(2-Lane)
1.400	15.15	999.00	4.47	999.00	89.41	160.9	(1-Lane)
1.500	10.94	999.00	3.23	999.00	64.62	116.3	(2-Lane)
1.500	14.64	999.00	4.32	999.00	86.42	155.6	(1-Lane)
1.600	11.32	999.00	3.34	999.00	66.86	120.3	(2-Lane)
1.600	15.15	999.00	4.47	999.00	89.41	160.9	(1-Lane)
1.700	13.28	999.00	3.93	999.00	78.58	141.5	(2-Lane)
1.700	17.76	999.00	5.26	999.00	105.10	189.2	(1-Lane)
1.800	17.56	999.00	5.23	999.00	104.60	188.3	(2-Lane)
1.800	23.49	999.00	6.99	999.00	139.89	251.8	(1-Lane)
1.900	32.99	999.00	9.88	999.00	197.53	355.5	(2-Lane)
1.900	44.12	999.00	13.21	999.00	264.17	475.5	(1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC 1.25	DW 1.25	(LL + DW) 1.75		(LL + DC) 1.75					
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	468.8	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	615.3	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	703.2	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	732.5	99.2	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	703.2	95.2	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	615.3	83.3	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	468.8	63.5	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	263.7	35.7	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.57	999.00	9.57	999.00	0.00	239.3 (2-Lane)
1.100	12.80	999.00	12.80	999.00	0.00	320.0 (1-Lane)
1.200	5.23	999.00	5.23	999.00	0.00	130.7 (2-Lane)
1.200	6.99	999.00	6.99	999.00	0.00	174.9 (1-Lane)
1.300	4.04	999.00	4.04	999.00	0.00	100.9 (2-Lane)
1.300	5.40	999.00	5.40	999.00	0.00	135.0 (1-Lane)
1.400	3.52	999.00	3.52	999.00	0.00	88.0 (2-Lane)
1.400	4.71	999.00	4.71	999.00	0.00	117.7 (1-Lane)
1.500	3.41	999.00	3.41	999.00	0.00	85.3 (2-Lane)
1.500	4.56	999.00	4.56	999.00	0.00	114.0 (1-Lane)
1.600	3.52	999.00	3.52	999.00	0.00	88.0 (2-Lane)
1.600	4.71	999.00	4.71	999.00	0.00	117.7 (1-Lane)
1.700	4.04	999.00	4.04	999.00	0.00	100.9 (2-Lane)
1.700	5.40	999.00	5.40	999.00	0.00	135.0 (1-Lane)
1.800	5.23	999.00	5.23	999.00	0.00	130.7 (2-Lane)
1.800	6.99	999.00	6.99	999.00	0.00	174.9 (1-Lane)
1.900	9.44	999.00	9.44	999.00	0.00	235.9 (2-Lane)
1.900	12.62	999.00	12.62	999.00	0.00	315.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	70.55	0.00	53.04	0.00
1.100	48.4	5.6	66.04	0.00	49.66	0.00
1.200	31.0	4.2	57.46	0.00	43.20	0.00
1.300	20.6	2.8	48.87	0.00	36.74	0.00
1.400	10.3	1.4	40.28	0.00	30.28	0.00
1.500	0.0	0.0	31.69	0.00	23.83	0.00
1.600	-10.3	-1.4	-40.28	0.00	-30.28	0.00
1.700	-20.6	-2.8	-48.87	0.00	-36.74	0.00
1.800	-31.0	-4.2	-57.46	0.00	-43.20	0.00
1.900	-41.3	-5.6	-66.04	0.00	-49.66	0.00
1.948	-46.2	-12.5	-70.15	0.00	-52.75	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	105.9	47.7	164.6	-188.0	141.1 (2-Lane)
1.300	109.7	47.7	168.4	-191.8	144.9 (1-Lane)
1.400	67.4	32.1	99.5	-111.2	87.8 (2-Lane)
1.400	68.9	32.1	101.0	-112.8	89.3 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	67.4	32.1	99.5	-87.8	111.2 (2-Lane)
1.600	68.9	32.1	101.0	-89.3	112.8 (1-Lane)
1.700	105.9	47.7	164.6	-141.1	188.0 (2-Lane)
1.700	109.7	47.7	168.4	-144.9	191.8 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	216.79	2.49	0.00	62.2 (2-Lane)
1.048	248.82	2.86	0.00	71.4 (1-Lane)
1.100	81.98	3.06	0.00	76.6 (2-Lane)
1.100	94.10	3.52	0.00	87.9 (1-Lane)
1.200	24.86	2.94	0.00	73.5 (2-Lane)
1.200	28.54	3.38	0.00	84.4 (1-Lane)
1.300	12.16	2.89	0.00	72.2 (2-Lane)
1.300	14.23	3.40	0.00	85.1 (1-Lane)
1.400	4.81	2.18	0.00	54.5 (2-Lane)
1.400	5.60	2.55	0.00	63.6 (1-Lane)
1.500	2.85	2.85	0.00	71.2 (2-Lane)
1.500	3.27	3.27	0.00	81.8 (1-Lane)
1.600	2.18	4.81	0.00	54.5 (2-Lane)
1.600	2.55	5.60	0.00	63.6 (1-Lane)
1.700	2.89	12.16	0.00	72.2 (2-Lane)
1.700	3.40	14.23	0.00	85.1 (1-Lane)
1.800	2.94	24.86	0.00	73.5 (2-Lane)
1.800	3.38	28.54	0.00	84.4 (1-Lane)
1.900	3.31	82.61	0.00	82.8 (2-Lane)
1.900	3.80	94.82	0.00	95.1 (1-Lane)
1.948	2.65	199.19	0.00	66.3 (2-Lane)
1.948	3.04	228.62	0.00	76.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	375.0	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	492.2	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	562.5	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	586.0	79.4	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	562.5	76.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	492.2	66.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	375.0	50.8	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	210.9	28.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S
Rating Live Load: 3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	46.05	999.00	13.89	999.00	0.00	347.3 (2-Lane)
1.100	61.58	999.00	18.58	999.00	0.00	464.4 (1-Lane)
1.200	24.03	999.00	7.16	999.00	0.00	178.9 (2-Lane)
1.200	32.14	999.00	9.57	999.00	0.00	239.3 (1-Lane)
1.300	18.00	999.00	5.33	999.00	0.00	133.2 (2-Lane)
1.300	24.08	999.00	7.12	999.00	0.00	178.1 (1-Lane)
1.400	15.28	999.00	4.51	999.00	0.00	112.8 (2-Lane)
1.400	20.43	999.00	6.03	999.00	0.00	150.8 (1-Lane)
1.500	14.61	999.00	4.31	999.00	0.00	107.8 (2-Lane)
1.500	19.54	999.00	5.77	999.00	0.00	144.2 (1-Lane)
1.600	15.28	999.00	4.51	999.00	0.00	112.8 (2-Lane)
1.600	20.43	999.00	6.03	999.00	0.00	150.8 (1-Lane)
1.700	18.00	999.00	5.33	999.00	0.00	133.2 (2-Lane)
1.700	24.08	999.00	7.12	999.00	0.00	178.1 (1-Lane)
1.800	24.03	999.00	7.16	999.00	0.00	178.9 (2-Lane)
1.800	32.14	999.00	9.57	999.00	0.00	239.3 (1-Lane)
1.900	45.45	999.00	13.60	999.00	0.00	340.1 (2-Lane)
1.900	60.78	999.00	18.19	999.00	0.00	454.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	468.8	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	615.3	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	703.2	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	732.5	99.2	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	703.2	95.2	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	615.3	83.3	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	468.8	63.5	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	263.7	35.7	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3S2

Moment					
Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	8.11	999.00	8.11	999.00	324.4 (2-Lane)
1.100	10.85	999.00	10.85	999.00	433.9 (1-Lane)
1.200	4.68	999.00	4.68	999.00	187.2 (2-Lane)
1.200	6.26	999.00	6.26	999.00	250.4 (1-Lane)
1.300	3.52	999.00	3.52	999.00	140.8 (2-Lane)
1.300	4.71	999.00	4.71	999.00	188.4 (1-Lane)
1.400	3.12	999.00	3.12	999.00	124.7 (2-Lane)
1.400	4.17	999.00	4.17	999.00	166.8 (1-Lane)
1.500	3.14	999.00	3.14	999.00	125.6 (2-Lane)
1.500	4.20	999.00	4.20	999.00	168.0 (1-Lane)
1.600	3.12	999.00	3.12	999.00	124.7 (2-Lane)
1.600	4.17	999.00	4.17	999.00	166.8 (1-Lane)
1.700	3.52	999.00	3.52	999.00	140.8 (2-Lane)
1.700	4.71	999.00	4.71	999.00	188.4 (1-Lane)
1.800	4.68	999.00	4.68	999.00	187.2 (2-Lane)
1.800	6.26	999.00	6.26	999.00	250.4 (1-Lane)
1.900	8.00	999.00	8.00	999.00	319.9 (2-Lane)
1.900	10.69	999.00	10.69	999.00	427.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	85.15	0.00	64.02	0.00	74.19	0.00	55.78	0.00
1.100	48.4	5.6	77.94	0.00	58.60	0.00	67.91	0.00	51.06	0.00
1.200	31.0	4.2	64.20	0.00	48.27	0.00	55.93	0.00	42.05	0.00
1.300	20.6	2.8	50.91	0.00	38.28	0.00	44.36	0.00	33.35	0.00
1.400	10.3	1.4	39.54	0.00	29.73	0.00	34.45	0.00	25.90	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00	18.59	0.00
1.600	-10.3	-1.4	-39.54	0.00	-29.73	0.00	-34.45	0.00	-25.90	0.00
1.700	-20.6	-2.8	-50.91	0.00	-38.28	0.00	-44.36	0.00	-33.35	0.00
1.800	-31.0	-4.2	-64.20	0.00	-48.27	0.00	-55.93	0.00	-42.05	0.00
1.900	-41.3	-5.6	-77.94	0.00	-58.60	0.00	-67.91	0.00	-51.06	0.00
1.948	-46.2	-12.5	-84.51	0.00	-63.54	0.00	-73.63	0.00	-55.36	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.5	47.7	161.2	-184.7	137.8 (2-Lane)
1.300	106.8	47.7	165.5	-188.9	142.1 (1-Lane)
1.400	63.9	32.1	96.0	-107.7	84.3 (2-Lane)
1.400	65.8	32.1	97.9	-109.6	86.2 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	63.9	32.1	96.0	-84.3	107.8 (2-Lane)
1.600	65.8	32.1	97.9	-86.2	109.6 (1-Lane)
1.700	102.5	47.7	161.2	-137.8	184.7 (2-Lane)
1.700	106.8	47.7	165.5	-142.1	188.9 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	216.79	2.06	0.00	82.5 (2-Lane)
1.048	248.82	2.37	0.00	94.7 (1-Lane)
1.100	81.98	2.60	0.00	103.8 (2-Lane)
1.100	94.10	2.98	0.00	119.1 (1-Lane)
1.200	24.86	2.63	0.00	105.3 (2-Lane)
1.200	28.54	3.02	0.00	120.8 (1-Lane)
1.300	11.94	2.71	0.00	108.3 (2-Lane)
1.300	14.02	3.20	0.00	128.1 (1-Lane)
1.400	5.06	2.13	0.00	85.3 (2-Lane)
1.400	5.90	2.50	0.00	100.0 (1-Lane)

1.500	3.18	3.18	0.00	127.3 (2-Lane)
1.500	3.65	3.65	0.00	146.1 (1-Lane)
1.600	2.13	5.06	0.00	85.3 (2-Lane)
1.600	2.50	5.90	0.00	100.0 (1-Lane)
1.700	2.71	11.94	0.00	108.3 (2-Lane)
1.700	3.20	14.02	0.00	128.1 (1-Lane)
1.800	2.63	24.86	0.00	105.3 (2-Lane)
1.800	3.02	28.54	0.00	120.8 (1-Lane)
1.900	2.81	82.61	0.00	112.3 (2-Lane)
1.900	3.22	94.82	0.00	128.9 (1-Lane)
1.948	2.20	199.19	0.00	88.0 (2-Lane)
1.948	2.53	228.62	0.00	101.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1385

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	375.0	50.8	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	492.2	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	562.5	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	586.0	79.4	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	562.5	76.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	492.2	66.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	375.0	50.8	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.900	210.9	28.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1385

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S

Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.000	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	39.02	999.00	11.77	999.00	0.00	470.8 (2-Lane)
1.100	52.18	999.00	15.74	999.00	0.00	629.7 (1-Lane)
1.200	21.51	999.00	6.40	999.00	0.00	256.2 (2-Lane)
1.200	28.76	999.00	8.56	999.00	0.00	342.6 (1-Lane)
1.300	15.70	999.00	4.65	999.00	0.00	185.9 (2-Lane)
1.300	21.00	999.00	6.21	999.00	0.00	248.6 (1-Lane)
1.400	13.53	999.00	3.99	999.00	0.00	159.8 (2-Lane)
1.400	18.09	999.00	5.34	999.00	0.00	213.6 (1-Lane)
1.500	13.45	999.00	3.97	999.00	0.00	158.9 (2-Lane)
1.500	17.99	999.00	5.31	999.00	0.00	212.5 (1-Lane)
1.600	13.53	999.00	3.99	999.00	0.00	159.8 (2-Lane)
1.600	18.09	999.00	5.34	999.00	0.00	213.6 (1-Lane)
1.700	15.70	999.00	4.65	999.00	0.00	185.9 (2-Lane)
1.700	21.00	999.00	6.21	999.00	0.00	248.6 (1-Lane)
1.800	21.51	999.00	6.40	999.00	0.00	256.2 (2-Lane)
1.800	28.76	999.00	8.56	999.00	0.00	342.6 (1-Lane)
1.900	38.51	999.00	11.53	999.00	0.00	461.2 (2-Lane)
1.900	51.51	999.00	15.42	999.00	0.00	616.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL 1.75	(1-Lane) LL 1.75
	1.25	1.25		

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	468.8	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	615.3	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	703.2	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	732.5	99.2	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	703.2	95.2	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	615.3	83.3	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	468.8	63.5	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	263.7	35.7	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
 Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.45	999.00	9.45	999.00	0.00	378.0 (2-Lane)
1.100	12.64	999.00	12.64	999.00	0.00	505.6 (1-Lane)
1.200	5.44	999.00	5.44	999.00	0.00	217.7 (2-Lane)
1.200	7.28	999.00	7.28	999.00	0.00	291.2 (1-Lane)
1.300	4.28	999.00	4.28	999.00	0.00	171.1 (2-Lane)
1.300	5.72	999.00	5.72	999.00	0.00	228.8 (1-Lane)
1.400	3.99	999.00	3.99	999.00	0.00	159.7 (2-Lane)
1.400	5.34	999.00	5.34	999.00	0.00	213.5 (1-Lane)
1.500	3.72	999.00	3.72	999.00	0.00	148.9 (2-Lane)
1.500	4.98	999.00	4.98	999.00	0.00	199.1 (1-Lane)
1.600	3.99	999.00	3.99	999.00	0.00	159.7 (2-Lane)
1.600	5.34	999.00	5.34	999.00	0.00	213.5 (1-Lane)
1.700	4.28	999.00	4.28	999.00	0.00	171.1 (2-Lane)
1.700	5.72	999.00	5.72	999.00	0.00	228.8 (1-Lane)
1.800	5.44	999.00	5.44	999.00	0.00	217.7 (2-Lane)
1.800	7.28	999.00	7.28	999.00	0.00	291.2 (1-Lane)
1.900	9.32	999.00	9.32	999.00	0.00	372.7 (2-Lane)
1.900	12.46	999.00	12.46	999.00	0.00	498.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1390

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
 Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	73.05	0.00	54.92	0.00	63.64	0.00
1.100	48.4	5.6	66.89	0.00	50.29	0.00	58.28	0.00
1.200	31.0	4.2	55.21	0.00	41.51	0.00	48.10	0.00
1.300	20.6	2.8	43.53	0.00	32.73	0.00	37.92	0.00
1.400	10.3	1.4	33.97	0.00	25.54	0.00	29.60	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00
1.600	-10.3	-1.4	-33.97	0.00	-25.54	0.00	-29.60	0.00
1.700	-20.6	-2.8	-43.53	0.00	-32.73	0.00	-37.92	0.00
1.800	-31.0	-4.2	-55.21	0.00	-41.51	0.00	-48.10	0.00
1.900	-41.3	-5.6	-66.89	0.00	-50.29	0.00	-58.28	0.00
1.948	-46.2	-12.5	-72.48	0.00	-54.49	0.00	-63.15	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
 Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.4	47.7	161.1	-184.5	137.6 (2-Lane)
1.300	106.0	47.7	164.6	-188.1	141.2 (1-Lane)

1.400	64.4	32.1	96.5	-108.2	84.8 (2-Lane)
1.400	65.7	32.1	97.8	-109.5	86.1 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.4	32.1	96.5	-84.8	108.2 (2-Lane)
1.600	65.7	32.1	97.8	-86.1	109.5 (1-Lane)
1.700	102.4	47.7	161.1	-137.6	184.5 (2-Lane)
1.700	106.0	47.7	164.6	-141.2	188.1 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	263.25	2.40	0.00	96.1 (2-Lane)
1.048	302.14	2.76	0.00	110.4 (1-Lane)
1.100	99.55	3.02	0.00	120.9 (2-Lane)
1.100	114.26	3.47	0.00	138.8 (1-Lane)
1.200	30.19	3.06	0.00	122.4 (2-Lane)
1.200	34.65	3.51	0.00	140.5 (1-Lane)
1.300	14.49	3.16	0.00	126.5 (2-Lane)
1.300	16.95	3.72	0.00	148.9 (1-Lane)
1.400	5.74	2.50	0.00	99.9 (2-Lane)
1.400	6.66	2.91	0.00	116.3 (1-Lane)
1.500	3.42	3.42	0.00	136.7 (2-Lane)
1.500	3.92	3.92	0.00	156.9 (1-Lane)
1.600	2.50	5.74	0.00	99.9 (2-Lane)
1.600	2.91	6.66	0.00	116.3 (1-Lane)
1.700	3.16	14.49	0.00	126.5 (2-Lane)
1.700	3.72	16.95	0.00	148.9 (1-Lane)
1.800	3.06	30.19	0.00	122.4 (2-Lane)
1.800	3.51	34.65	0.00	140.5 (1-Lane)
1.900	3.27	100.31	0.00	130.8 (2-Lane)
1.900	3.75	115.13	0.00	150.2 (1-Lane)
1.948	2.57	241.87	0.00	102.6 (2-Lane)
1.948	2.94	277.61	0.00	117.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1393

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	375.0	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	492.2	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	562.5	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	586.0	79.4	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	562.5	76.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	492.2	66.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	375.0	50.8	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	210.9	28.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1393

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	45.46	999.00	13.72	999.00	0.00	548.6 (2-Lane)
1.100	60.80	999.00	18.34	999.00	0.00	733.7 (1-Lane)
1.200	25.01	999.00	7.45	999.00	0.00	297.9 (2-Lane)
1.200	33.45	999.00	9.96	999.00	0.00	398.4 (1-Lane)
1.300	19.08	999.00	5.64	999.00	0.00	225.8 (2-Lane)
1.300	25.52	999.00	7.55	999.00	0.00	302.0 (1-Lane)
1.400	17.32	999.00	5.11	999.00	0.00	204.6 (2-Lane)
1.400	23.17	999.00	6.84	999.00	0.00	273.6 (1-Lane)
1.500	15.94	999.00	4.71	999.00	0.00	188.3 (2-Lane)
1.500	21.33	999.00	6.30	999.00	0.00	251.8 (1-Lane)
1.600	17.32	999.00	5.11	999.00	0.00	204.6 (2-Lane)
1.600	23.17	999.00	6.84	999.00	0.00	273.6 (1-Lane)
1.700	19.08	999.00	5.64	999.00	0.00	225.8 (2-Lane)
1.700	25.52	999.00	7.55	999.00	0.00	302.0 (1-Lane)
1.800	25.01	999.00	7.45	999.00	0.00	297.9 (2-Lane)
1.800	33.45	999.00	9.96	999.00	0.00	398.4 (1-Lane)
1.900	44.87	999.00	13.43	999.00	0.00	537.3 (2-Lane)
1.900	60.01	999.00	17.97	999.00	0.00	718.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1395

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00

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1.200	468.8	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72
1.300	615.3	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39
1.400	703.2	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87
1.500	732.5	99.2	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00
1.600	703.2	95.2	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87
1.700	615.3	83.3	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39
1.800	468.8	63.5	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72
1.900	263.7	35.7	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.66	999.00	8.66	999.00	0.00	234.0 (2-Lane)
1.100	11.59	999.00	11.59	999.00	0.00	312.9 (1-Lane)
1.200	4.72	999.00	4.72	999.00	0.00	127.4 (2-Lane)
1.200	6.31	999.00	6.31	999.00	0.00	170.4 (1-Lane)
1.300	3.63	999.00	3.63	999.00	0.00	97.9 (2-Lane)
1.300	4.85	999.00	4.85	999.00	0.00	130.9 (1-Lane)
1.400	3.12	999.00	3.12	999.00	0.00	84.2 (2-Lane)
1.400	4.17	999.00	4.17	999.00	0.00	112.5 (1-Lane)
1.500	3.00	999.00	3.00	999.00	0.00	80.9 (2-Lane)
1.500	4.01	999.00	4.01	999.00	0.00	108.2 (1-Lane)
1.600	3.12	999.00	3.12	999.00	0.00	84.2 (2-Lane)
1.600	4.17	999.00	4.17	999.00	0.00	112.5 (1-Lane)
1.700	3.63	999.00	3.63	999.00	0.00	97.9 (2-Lane)
1.700	4.85	999.00	4.85	999.00	0.00	130.9 (1-Lane)
1.800	4.72	999.00	4.72	999.00	0.00	127.4 (2-Lane)
1.800	6.31	999.00	6.31	999.00	0.00	170.4 (1-Lane)
1.900	8.54	999.00	8.54	999.00	0.00	230.7 (2-Lane)
1.900	11.43	999.00	11.43	999.00	0.00	308.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1398

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type:		I-INV									
Rating Live Load:		SU4		(2-Lane)		(1-Lane)					
Gamma	DC	DW	LL	LL	LL	LL	LL	LL	LL	LL	LL
	1.25	1.25	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	77.82	0.00	58.51	0.00	67.80	0.00	50.98	0.00	0.00
1.100	48.4	5.6	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00	0.00
1.200	31.0	4.2	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00	0.00
1.300	20.6	2.8	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00	0.00
1.400	10.3	1.4	45.13	0.00	33.93	0.00	39.32	0.00	29.56	0.00	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49	0.00	0.00
1.600	-10.3	-1.4	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56	0.00	0.00
1.700	-20.6	-2.8	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64	0.00	0.00
1.800	-31.0	-4.2	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71	0.00	0.00
1.900	-41.3	-5.6	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79	0.00	0.00
1.948	-46.2	-12.5	-77.39	0.00	-58.19	0.00	-67.43	0.00	-50.70	0.00	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1399

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	107.2	47.7	165.9	-189.3	142.4 (2-Lane)
1.300	111.4	47.7	170.1	-193.5	146.7 (1-Lane)
1.400	68.5	32.1	100.6	-112.4	88.9 (2-Lane)
1.400	70.4	32.1	102.5	-114.2	90.8 (1-Lane)
1.500	41.1	50.6	91.7	-91.7	91.7 (2-Lane)
1.500	41.3	50.6	92.0	-92.0	92.0 (1-Lane)
1.600	68.5	32.1	100.6	-88.9	112.4 (2-Lane)
1.600	70.4	32.1	102.5	-90.8	114.2 (1-Lane)
1.700	107.2	47.7	165.9	-142.4	189.3 (2-Lane)
1.700	111.4	47.7	170.1	-146.7	193.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1400

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	216.79	2.26	0.00	60.9 (2-Lane)
1.048	248.82	2.59	0.00	69.9 (1-Lane)
1.100	81.98	2.77	0.00	74.8 (2-Lane)
1.100	94.10	3.18	0.00	85.9 (1-Lane)
1.200	22.93	2.65	0.00	71.6 (2-Lane)
1.200	26.32	3.05	0.00	82.2 (1-Lane)
1.300	10.73	2.62	0.00	70.7 (2-Lane)
1.300	12.58	3.09	0.00	83.5 (1-Lane)
1.400	4.23	1.97	0.00	53.2 (2-Lane)
1.400	4.93	2.31	0.00	62.4 (1-Lane)
1.500	2.56	2.56	0.00	69.1 (2-Lane)
1.500	2.94	2.94	0.00	79.5 (1-Lane)
1.600	1.97	4.23	0.00	53.2 (2-Lane)
1.600	2.31	4.93	0.00	62.4 (1-Lane)
1.700	2.62	10.73	0.00	70.7 (2-Lane)
1.700	3.09	12.58	0.00	83.5 (1-Lane)

1.800	2.65	22.93	0.00	71.6 (2-Lane)
1.800	3.05	26.32	0.00	82.2 (1-Lane)
1.900	3.00	82.61	0.00	81.0 (2-Lane)
1.900	3.44	94.82	0.00	92.9 (1-Lane)
1.948	2.40	199.19	0.00	64.9 (2-Lane)
1.948	2.76	228.62	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1401

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	375.0	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	492.2	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	562.5	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	586.0	79.4	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	562.5	76.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	492.2	66.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	375.0	50.8	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	210.9	28.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1401

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1402

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S

Rating Live Load: SU4

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	0.00	999.0 (1-Lane)
1.100	41.69	12.57	0.00	339.5 (2-Lane)
1.100	55.75	16.82	0.00	454.1 (1-Lane)

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1.200	21.68	999.00	6.46	999.00	0.00	174.3	(2-Lane)
1.200	29.00	999.00	8.64	999.00	0.00	233.1	(1-Lane)
1.300	16.17	999.00	4.78	999.00	0.00	129.2	(2-Lane)
1.300	21.63	999.00	6.40	999.00	0.00	172.8	(1-Lane)
1.400	13.53	999.00	3.99	999.00	0.00	107.8	(2-Lane)
1.400	18.09	999.00	5.34	999.00	0.00	144.2	(1-Lane)
1.500	12.84	999.00	3.79	999.00	0.00	102.3	(2-Lane)
1.500	17.17	999.00	5.07	999.00	0.00	136.9	(1-Lane)
1.600	13.53	999.00	3.99	999.00	0.00	107.8	(2-Lane)
1.600	18.09	999.00	5.34	999.00	0.00	144.2	(1-Lane)
1.700	16.17	999.00	4.78	999.00	0.00	129.2	(2-Lane)
1.700	21.63	999.00	6.40	999.00	0.00	172.8	(1-Lane)
1.800	21.68	999.00	6.46	999.00	0.00	174.3	(2-Lane)
1.800	29.00	999.00	8.64	999.00	0.00	233.1	(1-Lane)
1.900	41.14	999.00	12.32	999.00	0.00	332.5	(2-Lane)
1.900	55.03	999.00	16.47	999.00	0.00	444.7	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	468.8	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	615.3	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	703.2	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	732.5	99.2	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	703.2	95.2	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	615.3	83.3	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	468.8	63.5	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	263.7	35.7	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Positive Top	Resistance Negative Bott.	Available Positive Top	Resistance Negative Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1405

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.81	999.00	7.81	999.00	0.00	242.0 (2-Lane)
1.100	10.44	999.00	10.44	999.00	0.00	323.7 (1-Lane)
1.200	4.27	999.00	4.27	999.00	0.00	132.5 (2-Lane)
1.200	5.72	999.00	5.72	999.00	0.00	177.2 (1-Lane)
1.300	3.27	999.00	3.27	999.00	0.00	101.4 (2-Lane)
1.300	4.37	999.00	4.37	999.00	0.00	135.6 (1-Lane)
1.400	2.82	999.00	2.82	999.00	0.00	87.5 (2-Lane)
1.400	3.77	999.00	3.77	999.00	0.00	117.0 (1-Lane)
1.500	2.75	999.00	2.75	999.00	0.00	85.1 (2-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	113.9 (1-Lane)
1.600	2.82	999.00	2.82	999.00	0.00	87.5 (2-Lane)
1.600	3.77	999.00	3.77	999.00	0.00	117.0 (1-Lane)
1.700	3.27	999.00	3.27	999.00	0.00	101.4 (2-Lane)
1.700	4.37	999.00	4.37	999.00	0.00	135.6 (1-Lane)
1.800	4.27	999.00	4.27	999.00	0.00	132.5 (2-Lane)
1.800	5.72	999.00	5.72	999.00	0.00	177.2 (1-Lane)
1.900	7.70	999.00	7.70	999.00	0.00	238.6 (2-Lane)
1.900	10.30	999.00	10.30	999.00	0.00	319.2 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1406

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	86.55	0.00	65.08	0.00	75.41	0.00	56.70
1.100	48.4	5.6	80.96	0.00	60.88	0.00	70.54	0.00	53.04
1.200	31.0	4.2	70.32	0.00	52.87	0.00	61.26	0.00	46.06
1.300	20.6	2.8	59.67	0.00	44.86	0.00	51.99	0.00	39.09
1.400	10.3	1.4	49.02	0.00	36.85	0.00	42.71	0.00	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13
1.600	-10.3	-1.4	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11
1.700	-20.6	-2.8	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09
1.800	-31.0	-4.2	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06
1.900	-41.3	-5.6	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04
1.948	-46.2	-12.5	-86.06	0.00	-64.71	0.00	-74.98	0.00	-56.38
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	107.8	47.7	166.5	-189.9	143.1 (2-Lane)
1.300	112.5	47.7	171.1	-194.6	147.7 (1-Lane)
1.400	69.0	32.1	101.2	-112.9	89.4 (2-Lane)
1.400	71.2	32.1	103.3	-115.0	91.6 (1-Lane)
1.500	41.6	50.6	92.3	-92.3	92.3 (2-Lane)
1.500	42.1	50.6	92.7	-92.7	92.7 (1-Lane)
1.600	69.0	32.1	101.2	-89.4	112.9 (2-Lane)
1.600	71.2	32.1	103.3	-91.6	115.0 (1-Lane)
1.700	107.8	47.7	166.5	-143.1	189.9 (2-Lane)
1.700	112.5	47.7	171.1	-147.7	194.6 (1-Lane)

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1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1408

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	216.79	2.03	0.00	62.9 (2-Lane)
1.048	248.82	2.33	0.00	72.2 (1-Lane)
1.100	81.98	2.50	0.00	77.4 (2-Lane)
1.100	94.10	2.87	0.00	88.9 (1-Lane)
1.200	22.93	2.40	0.00	74.5 (2-Lane)
1.200	26.32	2.76	0.00	85.5 (1-Lane)
1.300	10.07	2.40	0.00	74.3 (2-Lane)
1.300	11.84	2.84	0.00	88.1 (1-Lane)
1.400	4.07	1.83	0.00	56.6 (2-Lane)
1.400	4.76	2.14	0.00	66.5 (1-Lane)
1.500	2.41	2.41	0.00	74.6 (2-Lane)
1.500	2.77	2.77	0.00	86.0 (1-Lane)
1.600	1.83	4.07	0.00	56.6 (2-Lane)
1.600	2.14	4.76	0.00	66.5 (1-Lane)
1.700	2.40	10.07	0.00	74.3 (2-Lane)
1.700	2.84	11.84	0.00	88.1 (1-Lane)
1.800	2.40	22.93	0.00	74.5 (2-Lane)
1.800	2.76	26.32	0.00	85.5 (1-Lane)
1.900	2.70	82.61	0.00	83.8 (2-Lane)
1.900	3.10	94.82	0.00	96.2 (1-Lane)
1.948	2.16	199.19	0.00	67.0 (2-Lane)
1.948	2.48	228.62	0.00	76.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1409

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	375.0	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	492.2	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	562.5	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	586.0	79.4	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	562.5	76.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	492.2	66.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	375.0	50.8	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	210.9	28.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type:	SU5							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S

Rating Live Load: SU5

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	37.56	999.00	11.33	999.00	0.00	351.3 (2-Lane)
1.100	50.23	999.00	15.15	999.00	0.00	469.8 (1-Lane)
1.200	19.64	999.00	5.85	999.00	0.00	181.3 (2-Lane)
1.200	26.26	999.00	7.82	999.00	0.00	242.4 (1-Lane)
1.300	14.59	999.00	4.32	999.00	0.00	133.8 (2-Lane)
1.300	19.51	999.00	5.77	999.00	0.00	178.9 (1-Lane)
1.400	12.25	999.00	3.62	999.00	0.00	112.1 (2-Lane)
1.400	16.38	999.00	4.84	999.00	0.00	149.9 (1-Lane)
1.500	11.77	999.00	3.47	999.00	0.00	107.7 (2-Lane)
1.500	15.74	999.00	4.65	999.00	0.00	144.0 (1-Lane)
1.600	12.25	999.00	3.62	999.00	0.00	112.1 (2-Lane)
1.600	16.38	999.00	4.84	999.00	0.00	149.9 (1-Lane)
1.700	14.59	999.00	4.32	999.00	0.00	133.8 (2-Lane)
1.700	19.51	999.00	5.77	999.00	0.00	178.9 (1-Lane)
1.800	19.64	999.00	5.85	999.00	0.00	181.3 (2-Lane)
1.800	26.26	999.00	7.82	999.00	0.00	242.4 (1-Lane)
1.900	37.07	999.00	11.10	999.00	0.00	344.0 (2-Lane)
1.900	49.58	999.00	14.84	999.00	0.00	460.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00
1.200	468.8	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00
1.300	615.3	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00
1.400	703.2	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00
1.500	732.5	99.2	1185.12 R	0.00	891.07	0.00	886.16 R	0.00
1.600	703.2	95.2	1150.66 R	0.00	865.16	0.00	860.39 R	0.00
1.700	615.3	83.3	1020.15 R	0.00	767.03	0.00	762.80 R	0.00
1.800	468.8	63.5	785.29 R	0.00	590.44	0.00	587.19 R	0.00
1.900	263.7	35.7	435.27 R	0.00	327.27	0.00	325.47 R	0.00

9999999_20120831cy17_FlexuralRpt.txt

1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.40	999.00	7.40	999.00	0.00	257.1 (2-Lane)
1.100	9.89	999.00	9.89	999.00	0.00	343.8 (1-Lane)
1.200	3.90	999.00	3.90	999.00	0.00	135.5 (2-Lane)
1.200	5.21	999.00	5.21	999.00	0.00	181.2 (1-Lane)
1.300	2.95	999.00	2.95	999.00	0.00	102.7 (2-Lane)
1.300	3.95	999.00	3.95	999.00	0.00	137.3 (1-Lane)
1.400	2.57	999.00	2.57	999.00	0.00	89.2 (2-Lane)
1.400	3.43	999.00	3.43	999.00	0.00	119.3 (1-Lane)
1.500	2.46	999.00	2.46	999.00	0.00	85.6 (2-Lane)
1.500	3.30	999.00	3.30	999.00	0.00	114.5 (1-Lane)
1.600	2.57	999.00	2.57	999.00	0.00	89.2 (2-Lane)
1.600	3.43	999.00	3.43	999.00	0.00	119.3 (1-Lane)
1.700	2.95	999.00	2.95	999.00	0.00	102.7 (2-Lane)
1.700	3.95	999.00	3.95	999.00	0.00	137.3 (1-Lane)
1.800	3.90	999.00	3.90	999.00	0.00	135.5 (2-Lane)
1.800	5.21	999.00	5.21	999.00	0.00	181.2 (1-Lane)
1.900	7.29	999.00	7.29	999.00	0.00	253.5 (2-Lane)
1.900	9.76	999.00	9.76	999.00	0.00	339.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	LL	DW	LL	LL	LL	LL	LL
	1.25		1.25		1.75			1.75

9999999_20120831cy17_FlexuralRpt.txt										
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	91.71	0.00	68.96	0.00	79.91	0.00	60.08	0.00
1.100	48.4	5.6	85.45	0.00	64.25	0.00	74.45	0.00	55.98	0.00
1.200	31.0	4.2	73.51	0.00	55.27	0.00	64.05	0.00	48.16	0.00
1.300	20.6	2.8	61.58	0.00	46.30	0.00	53.65	0.00	40.34	0.00
1.400	10.3	1.4	49.64	0.00	37.32	0.00	43.25	0.00	32.52	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70	0.00
1.600	-10.3	-1.4	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52	0.00
1.700	-20.6	-2.8	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34	0.00
1.800	-31.0	-4.2	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16	0.00
1.900	-41.3	-5.6	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98	0.00
1.948	-46.2	-12.5	-91.16	0.00	-68.54	0.00	-79.43	0.00	-59.72	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	105.0	47.7	163.7	-187.2	140.3 (2-Lane)
1.300	110.0	47.7	168.7	-192.1	145.3 (1-Lane)
1.400	67.0	32.1	99.1	-110.8	87.4 (2-Lane)
1.400	69.4	32.1	101.5	-113.2	89.8 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	40.1	50.6	90.7	-90.7	90.7 (1-Lane)
1.600	67.0	32.1	99.1	-87.4	110.8 (2-Lane)
1.600	69.4	32.1	101.5	-89.8	113.2 (1-Lane)
1.700	105.0	47.7	163.7	-140.3	187.2 (2-Lane)
1.700	110.0	47.7	168.7	-145.3	192.1 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU6

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	320.48	1.91	0.00	66.5 (2-Lane)
1.048	367.83	2.20	0.00	76.4 (1-Lane)
1.100	138.63	2.37	0.00	82.2 (2-Lane)
1.100	159.11	2.72	0.00	94.4 (1-Lane)
1.200	28.98	2.30	0.00	79.9 (2-Lane)
1.200	33.26	2.64	0.00	91.7 (1-Lane)
1.300	11.05	2.28	0.00	79.2 (2-Lane)
1.300	13.02	2.71	0.00	94.1 (1-Lane)
1.400	4.12	1.76	0.00	61.2 (2-Lane)
1.400	4.83	2.08	0.00	72.1 (1-Lane)
1.500	2.39	2.39	0.00	83.2 (2-Lane)
1.500	2.76	2.76	0.00	96.0 (1-Lane)
1.600	1.76	4.12	0.00	61.2 (2-Lane)
1.600	2.08	4.83	0.00	72.1 (1-Lane)
1.700	2.28	11.05	0.00	79.2 (2-Lane)
1.700	2.71	13.02	0.00	94.1 (1-Lane)
1.800	2.30	28.98	0.00	79.9 (2-Lane)
1.800	2.64	33.26	0.00	91.7 (1-Lane)
1.900	2.56	139.69	0.00	89.0 (2-Lane)
1.900	2.94	160.33	0.00	102.1 (1-Lane)
1.948	2.04	294.45	0.00	70.9 (2-Lane)

9999999_20120831cy17_FlexuralRpt.txt
1.948 2.34 337.95 0.00 81.4 (1-Lane)
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-IN

Rating Live Load: SU6

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	375.0	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	492.2	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	562.5	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	586.0	79.4	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	562.5	76.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	492.2	66.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	375.0	50.8	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	210.9	28.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU6

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S

Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	35.59	999.00	10.74	999.00	0.00	373.1 (2-Lane)
1.100	47.60	999.00	14.36	999.00	0.00	498.9 (1-Lane)
1.200	17.91	999.00	5.33	999.00	0.00	185.3 (2-Lane)
1.200	23.95	999.00	7.13	999.00	0.00	247.9 (1-Lane)
1.300	13.18	999.00	3.90	999.00	0.00	135.5 (2-Lane)
1.300	17.63	999.00	5.21	999.00	0.00	181.2 (1-Lane)
1.400	11.14	999.00	3.29	999.00	0.00	114.3 (2-Lane)
1.400	14.90	999.00	4.40	999.00	0.00	152.9 (1-Lane)

1.500	10.56	999.00	3.12	999.00	0.00	108.3	(2-Lane)
1.500	14.12	999.00	4.17	999.00	0.00	144.9	(1-Lane)
1.600	11.14	999.00	3.29	999.00	0.00	114.3	(2-Lane)
1.600	14.90	999.00	4.40	999.00	0.00	152.9	(1-Lane)
1.700	13.18	999.00	3.90	999.00	0.00	135.5	(2-Lane)
1.700	17.63	999.00	5.21	999.00	0.00	181.2	(1-Lane)
1.800	17.91	999.00	5.33	999.00	0.00	185.3	(2-Lane)
1.800	23.95	999.00	7.13	999.00	0.00	247.9	(1-Lane)
1.900	35.13	999.00	10.52	999.00	0.00	365.4	(2-Lane)
1.900	46.98	999.00	14.06	999.00	0.00	488.7	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane)	(1-Lane)
			1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	468.8	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	615.3	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	703.2	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	732.5	99.2	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	703.2	95.2	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	615.3	83.3	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	468.8	63.5	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	263.7	35.7	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1420

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: SU7

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.048	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	7.07	999.00	7.07	999.00	0.00 274.0 (2-Lane)
1.100	9.46	999.00	9.46	999.00	0.00 366.4 (1-Lane)
1.200	3.73	999.00	3.73	999.00	0.00 144.4 (2-Lane)
1.200	4.98	999.00	4.98	999.00	0.00 193.1 (1-Lane)
1.300	2.74	999.00	2.74	999.00	0.00 106.4 (2-Lane)
1.300	3.67	999.00	3.67	999.00	0.00 142.2 (1-Lane)
1.400	2.38	999.00	2.38	999.00	0.00 92.2 (2-Lane)
1.400	3.18	999.00	3.18	999.00	0.00 123.2 (1-Lane)
1.500	2.27	999.00	2.27	999.00	0.00 88.0 (2-Lane)
1.500	3.04	999.00	3.04	999.00	0.00 117.7 (1-Lane)
1.600	2.38	999.00	2.38	999.00	0.00 92.2 (2-Lane)
1.600	3.18	999.00	3.18	999.00	0.00 123.2 (1-Lane)
1.700	2.74	999.00	2.74	999.00	0.00 106.4 (2-Lane)
1.700	3.67	999.00	3.67	999.00	0.00 142.2 (1-Lane)
1.800	3.73	999.00	3.73	999.00	0.00 144.4 (2-Lane)
1.800	4.98	999.00	4.98	999.00	0.00 193.1 (1-Lane)
1.900	6.97	999.00	6.97	999.00	0.00 270.1 (2-Lane)
1.900	9.32	999.00	9.32	999.00	0.00 361.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU7

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	96.39	0.00	72.48	0.00	83.98	0.00	63.15
1.100	48.4	5.6	89.41	0.00	67.23	0.00	77.90	0.00	58.57
1.200	31.0	4.2	76.10	0.00	57.22	0.00	66.30	0.00	49.85
1.300	20.6	2.8	62.78	0.00	47.21	0.00	54.70	0.00	41.13
1.400	10.3	1.4	49.47	0.00	37.20	0.00	43.10	0.00	32.41
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05
1.600	-10.3	-1.4	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41
1.700	-20.6	-2.8	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13
1.800	-31.0	-4.2	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85
1.900	-41.3	-5.6	-89.41	0.00	-67.22	0.00	-77.90	0.00	-58.57
1.948	-46.2	-12.5	-95.78	0.00	-72.01	0.00	-83.45	0.00	-62.74
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1423

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.8	47.7	161.5	-184.9	138.1 (2-Lane)
1.300	108.0	47.7	166.7	-190.1	143.3 (1-Lane)
1.400	64.8	32.1	96.9	-108.7	85.2 (2-Lane)
1.400	67.4	32.1	99.5	-111.2	87.7 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.8	32.1	96.9	-85.2	108.7 (2-Lane)
1.600	67.4	32.1	99.5	-87.8	111.2 (1-Lane)
1.700	102.8	47.7	161.5	-138.1	184.9 (2-Lane)
1.700	108.0	47.7	166.7	-143.3	190.1 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1424

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-INV

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	320.48	1.82	0.00	70.6 (2-Lane)
1.048	367.83	2.09	0.00	81.0 (1-Lane)
1.100	157.01	2.26	0.00	87.6 (2-Lane)
1.100	180.21	2.60	0.00	100.6 (1-Lane)
1.200	38.25	2.22	0.00	86.0 (2-Lane)
1.200	43.91	2.55	0.00	98.8 (1-Lane)
1.300	12.52	2.20	0.00	85.2 (2-Lane)
1.300	14.78	2.62	0.00	101.5 (1-Lane)
1.400	4.28	1.72	0.00	66.8 (2-Lane)
1.400	5.03	2.04	0.00	78.9 (1-Lane)
1.500	2.46	2.46	0.00	95.3 (2-Lane)
1.500	2.82	2.82	0.00	109.4 (1-Lane)
1.600	1.72	4.28	0.00	66.8 (2-Lane)
1.600	2.04	5.03	0.00	78.9 (1-Lane)
1.700	2.20	12.52	0.00	85.2 (2-Lane)
1.700	2.62	14.78	0.00	101.5 (1-Lane)
1.800	2.22	38.25	0.00	86.0 (2-Lane)
1.800	2.55	43.91	0.00	98.8 (1-Lane)
1.900	2.45	158.22	0.00	94.8 (2-Lane)
1.900	2.81	181.59	0.00	108.8 (1-Lane)
1.948	1.94	294.45	0.00	75.2 (2-Lane)
1.948	2.23	337.95	0.00	86.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1425

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	174.7	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00
1.200	375.0	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00
1.300	492.2	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00
1.400	562.5	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00
1.500	586.0	79.4	587.96 R	0.00	442.07	0.00	439.63 R	0.00
1.600	562.5	76.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00
1.700	492.2	66.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00
1.800	375.0	50.8	375.53 R	0.00	282.35	0.00	280.80 R	0.00
1.900	210.9	28.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1425

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance	Available Resistance for LL+I
	Positive Bending Top	Positive Bending Top
	Negative Bending Bott.	Negative Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-INV S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	34.01	999.00	10.26	999.00	0.00	397.6 (2-Lane)
1.100	45.49	999.00	13.72	999.00	0.00	531.7 (1-Lane)
1.200	17.12	999.00	5.10	999.00	0.00	197.6 (2-Lane)
1.200	22.90	999.00	6.82	999.00	0.00	264.2 (1-Lane)
1.300	12.24	999.00	3.62	999.00	0.00	140.4 (2-Lane)
1.300	16.37	999.00	4.84	999.00	0.00	187.7 (1-Lane)
1.400	10.32	999.00	3.05	999.00	0.00	118.1 (2-Lane)
1.400	13.80	999.00	4.07	999.00	0.00	157.9 (1-Lane)
1.500	9.73	999.00	2.87	999.00	0.00	111.3 (2-Lane)
1.500	13.01	999.00	3.84	999.00	0.00	148.9 (1-Lane)
1.600	10.32	999.00	3.05	999.00	0.00	118.1 (2-Lane)
1.600	13.80	999.00	4.07	999.00	0.00	157.9 (1-Lane)
1.700	12.24	999.00	3.62	999.00	0.00	140.4 (2-Lane)
1.700	16.37	999.00	4.84	999.00	0.00	187.7 (1-Lane)
1.800	17.12	999.00	5.10	999.00	0.00	197.6 (2-Lane)
1.800	22.90	999.00	6.82	999.00	0.00	264.2 (1-Lane)
1.900	33.57	999.00	10.05	999.00	0.00	389.4 (2-Lane)
1.900	44.90	999.00	13.44	999.00	0.00	520.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	LL	LL	LL				
			1.35	1.35	1.35	1.35				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	468.8	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	615.3	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	703.2	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	732.5	99.2	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	703.2	95.2	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	615.3	83.3	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	468.8	63.5	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	263.7	35.7	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.31	999.00	7.31	999.00	0.00	263.2 (2-Lane)
1.100	9.78	999.00	9.78	999.00	0.00	352.0 (1-Lane)
1.200	4.00	999.00	4.00	999.00	0.00	144.0 (2-Lane)
1.200	5.35	999.00	5.35	999.00	0.00	192.6 (1-Lane)
1.300	3.09	999.00	3.09	999.00	0.00	111.3 (2-Lane)
1.300	4.14	999.00	4.14	999.00	0.00	148.9 (1-Lane)
1.400	2.70	999.00	2.70	999.00	0.00	97.1 (2-Lane)
1.400	3.61	999.00	3.61	999.00	0.00	129.9 (1-Lane)
1.500	2.62	999.00	2.62	999.00	0.00	94.5 (2-Lane)
1.500	3.51	999.00	3.51	999.00	0.00	126.4 (1-Lane)
1.600	2.70	999.00	2.70	999.00	0.00	97.1 (2-Lane)
1.600	3.61	999.00	3.61	999.00	0.00	129.9 (1-Lane)
1.700	3.09	999.00	3.09	999.00	0.00	111.3 (2-Lane)
1.700	4.14	999.00	4.14	999.00	0.00	148.9 (1-Lane)
1.800	4.00	999.00	4.00	999.00	0.00	144.0 (2-Lane)
1.800	5.35	999.00	5.35	999.00	0.00	192.6 (1-Lane)
1.900	7.21	999.00	7.21	999.00	0.00	259.5 (2-Lane)
1.900	9.64	999.00	9.64	999.00	0.00	347.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: HL93

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	91.61	0.00	72.96	0.00	79.82	0.00
1.100	48.4	5.6	84.85	0.00	67.43	0.00	73.93	0.00
1.200	31.0	4.2	72.23	0.00	57.18	0.00	62.93	0.00
1.300	20.6	2.8	59.97	0.00	47.29	0.00	52.25	0.00

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1.400	10.3	1.4	48.08	0.00	37.77	0.00	41.89	0.00	32.91
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92
1.600	-10.3	-1.4	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91
1.700	-20.6	-2.8	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21
1.800	-31.0	-4.2	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82
1.900	-41.3	-5.6	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75
1.948	-46.2	-12.5	-91.01	0.00	-72.47	0.00	-79.30	0.00	-63.14
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type:

I-OPER

Rating Live Load:

HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	105.6	47.7	164.3	-187.7	140.9 (2-Lane)
1.300	110.5	47.7	169.1	-192.6	145.7 (1-Lane)
1.400	67.1	32.1	99.2	-111.0	87.5 (2-Lane)
1.400	69.4	32.1	101.5	-113.2	89.8 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	40.1	50.6	90.7	-90.7	90.7 (1-Lane)
1.600	67.1	32.1	99.2	-87.5	111.0 (2-Lane)
1.600	69.4	32.1	101.5	-89.8	113.2 (1-Lane)
1.700	105.6	47.7	164.3	-140.9	187.7 (2-Lane)
1.700	110.5	47.7	169.1	-145.7	192.6 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type:

I-OPER

Rating Live Load:

HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	149.30	1.92	0.00	69.0 (2-Lane)
1.048	171.35	2.20	0.00	79.2 (1-Lane)
1.100	72.27	2.38	0.00	85.8 (2-Lane)
1.100	82.94	2.74	0.00	98.5 (1-Lane)
1.200	20.55	2.34	0.00	84.2 (2-Lane)
1.200	23.59	2.68	0.00	96.7 (1-Lane)
1.300	9.79	2.35	0.00	84.6 (2-Lane)
1.300	11.53	2.79	0.00	100.4 (1-Lane)
1.400	4.10	1.82	0.00	65.5 (2-Lane)
1.400	4.80	2.14	0.00	77.2 (1-Lane)
1.500	2.47	2.47	0.00	88.9 (2-Lane)
1.500	2.85	2.85	0.00	102.6 (1-Lane)
1.600	1.82	4.10	0.00	65.5 (2-Lane)
1.600	2.14	4.80	0.00	77.2 (1-Lane)
1.700	2.35	9.79	0.00	84.6 (2-Lane)
1.700	2.79	11.53	0.00	100.4 (1-Lane)
1.800	2.34	20.55	0.00	84.2 (2-Lane)
1.800	2.68	23.59	0.00	96.7 (1-Lane)
1.900	2.58	69.87	0.00	92.8 (2-Lane)
1.900	2.96	80.19	0.00	106.6 (1-Lane)
1.948	2.04	134.18	0.00	73.6 (2-Lane)
1.948	2.35	154.01	0.00	84.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	468.8	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	615.3	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	703.2	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	732.5	99.2	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	703.2	95.2	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	615.3	83.3	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	468.8	63.5	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	263.7	35.7	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	9.01	999.00	9.01	999.00	180.15	324.3 (2-Lane)
1.100	12.05	999.00	12.05	999.00	240.92	433.7 (1-Lane)
1.200	4.95	999.00	4.95	999.00	99.10	178.4 (2-Lane)
1.200	6.63	999.00	6.63	999.00	132.53	238.6 (1-Lane)
1.300	3.86	999.00	3.86	999.00	77.20	139.0 (2-Lane)
1.300	5.16	999.00	5.16	999.00	103.24	185.8 (1-Lane)
1.400	3.38	999.00	3.38	999.00	67.64	121.8 (2-Lane)
1.400	4.52	999.00	4.52	999.00	90.46	162.8 (1-Lane)
1.500	3.31	999.00	3.31	999.00	66.22	119.2 (2-Lane)
1.500	4.43	999.00	4.43	999.00	88.57	159.4 (1-Lane)
1.600	3.38	999.00	3.38	999.00	67.64	121.8 (2-Lane)
1.600	4.52	999.00	4.52	999.00	90.46	162.8 (1-Lane)
1.700	3.86	999.00	3.86	999.00	77.20	139.0 (2-Lane)
1.700	5.16	999.00	5.16	999.00	103.24	185.8 (1-Lane)
1.800	4.95	999.00	4.95	999.00	99.10	178.4 (2-Lane)

1.800	6.63	999.00	6.63	999.00	9999999_20120831cy17_FlexuralRpt.txt 132.53 238.6 (1-Lane)
1.900	8.88	999.00	8.88	999.00	177.61 319.7 (2-Lane)
1.900	11.88	999.00	11.88	999.00	237.53 427.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	LL	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	75.19	0.00	56.53	0.00	65.51	0.00	49.26	0.00
1.100	48.4	5.6	70.18	0.00	52.77	0.00	61.15	0.00	45.98	0.00
1.200	31.0	4.2	60.64	0.00	45.60	0.00	52.84	0.00	39.73	0.00
1.300	20.6	2.8	51.10	0.00	38.42	0.00	44.52	0.00	33.48	0.00
1.400	10.3	1.4	41.56	0.00	31.25	0.00	36.21	0.00	27.23	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00	20.98	0.00
1.600	-10.3	-1.4	-41.56	0.00	-31.25	0.00	-36.21	0.00	-27.23	0.00
1.700	-20.6	-2.8	-51.10	0.00	-38.42	0.00	-44.52	0.00	-33.48	0.00
1.800	-31.0	-4.2	-60.64	0.00	-45.60	0.00	-52.84	0.00	-39.73	0.00
1.900	-41.3	-5.6	-70.18	0.00	-52.77	0.00	-61.15	0.00	-45.98	0.00
1.948	-46.2	-12.5	-74.75	0.00	-56.20	0.00	-65.13	0.00	-48.97	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HS20

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	106.4	47.7	165.1	-188.5	141.7 (2-Lane)
1.300	110.4	47.7	169.1	-192.5	145.6 (1-Lane)
1.400	67.5	32.1	99.7	-111.4	87.9 (2-Lane)
1.400	69.2	32.1	101.3	-113.0	89.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	67.5	32.1	99.7	-87.9	111.4 (2-Lane)
1.600	69.2	32.1	101.3	-89.6	113.0 (1-Lane)
1.700	106.4	47.7	165.1	-141.7	188.5 (2-Lane)
1.700	110.4	47.7	169.1	-145.6	192.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: HS20

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	149.30	2.34	46.70	84.1 (2-Lane)

1.048	171.35	2.68	53.60	96.5 (1-Lane)
1.100	73.15	2.88	57.63	103.7 (2-Lane)
1.100	83.95	3.31	66.14	119.1 (1-Lane)
1.200	28.22	2.79	55.73	100.3 (2-Lane)
1.200	32.38	3.20	63.96	115.1 (1-Lane)
1.300	12.58	2.77	55.45	99.8 (2-Lane)
1.300	14.74	3.27	65.42	117.8 (1-Lane)
1.400	4.74	2.12	42.31	76.2 (2-Lane)
1.400	5.53	2.47	49.48	89.1 (1-Lane)
1.500	2.82	2.82	56.39	101.5 (2-Lane)
1.500	3.24	3.24	64.72	116.5 (1-Lane)
1.600	2.12	4.75	42.32	76.2 (2-Lane)
1.600	2.47	5.53	49.48	89.1 (1-Lane)
1.700	2.77	12.58	55.45	99.8 (2-Lane)
1.700	3.27	14.74	65.42	117.8 (1-Lane)
1.800	2.79	28.22	55.73	100.3 (2-Lane)
1.800	3.20	32.38	63.96	115.1 (1-Lane)
1.900	3.12	73.71	62.35	112.2 (2-Lane)
1.900	3.58	84.60	71.56	128.8 (1-Lane)
1.948	2.49	137.17	49.76	89.6 (2-Lane)
1.948	2.86	157.44	57.12	102.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	468.8	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	615.3	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	703.2	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	732.5	99.2	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	703.2	95.2	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	615.3	83.3	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	468.8	63.5	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	263.7	35.7	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.41	999.00	12.41	999.00	0.00	310.2 (2-Lane)
1.100	16.59	999.00	16.59	999.00	0.00	414.9 (1-Lane)
1.200	6.78	999.00	6.78	999.00	0.00	169.5 (2-Lane)
1.200	9.07	999.00	9.07	999.00	0.00	226.7 (1-Lane)
1.300	5.23	999.00	5.23	999.00	0.00	130.8 (2-Lane)
1.300	7.00	999.00	7.00	999.00	0.00	174.9 (1-Lane)
1.400	4.56	999.00	4.56	999.00	0.00	114.1 (2-Lane)
1.400	6.10	999.00	6.10	999.00	0.00	152.6 (1-Lane)
1.500	4.42	999.00	4.42	999.00	0.00	110.5 (2-Lane)
1.500	5.91	999.00	5.91	999.00	0.00	147.8 (1-Lane)
1.600	4.56	999.00	4.56	999.00	0.00	114.1 (2-Lane)
1.600	6.10	999.00	6.10	999.00	0.00	152.6 (1-Lane)
1.700	5.23	999.00	5.23	999.00	0.00	130.8 (2-Lane)
1.700	7.00	999.00	7.00	999.00	0.00	174.9 (1-Lane)
1.800	6.78	999.00	6.78	999.00	0.00	169.5 (2-Lane)
1.800	9.07	999.00	9.07	999.00	0.00	226.7 (1-Lane)
1.900	12.23	999.00	12.23	999.00	0.00	305.8 (2-Lane)
1.900	16.36	999.00	16.36	999.00	0.00	409.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	54.42	0.00	40.92	0.00	47.42	0.00	35.65	0.00
1.100	48.4	5.6	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	31.0	4.2	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	20.6	2.8	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	10.3	1.4	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-10.3	-1.4	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-20.6	-2.8	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-31.0	-4.2	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-41.3	-5.6	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.948	-46.2	-12.5	-54.12	0.00	-40.69	0.00	-47.15	0.00	-35.45	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.8	47.7	161.4	-184.9	138.0 (2-Lane)
1.300	105.6	47.7	164.3	-187.7	140.9 (1-Lane)
1.400	64.3	32.1	96.4	-108.1	84.7 (2-Lane)
1.400	65.2	32.1	97.3	-109.0	85.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)

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1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.3	32.1	96.4	-84.7	108.1 (2-Lane)
1.600	65.2	32.1	97.3	-85.6	109.0 (1-Lane)
1.700	102.8	47.7	161.4	-138.0	184.9 (2-Lane)
1.700	105.6	47.7	164.3	-140.9	187.7 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1446

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	281.03	3.23	0.00	80.7 (2-Lane)
1.048	322.55	3.70	0.00	92.6 (1-Lane)
1.100	106.27	3.97	0.00	99.2 (2-Lane)
1.100	121.97	4.56	0.00	113.9 (1-Lane)
1.200	32.23	3.81	0.00	95.3 (2-Lane)
1.200	36.99	4.38	0.00	109.4 (1-Lane)
1.300	15.50	3.66	0.00	91.5 (2-Lane)
1.300	18.06	4.29	0.00	107.2 (1-Lane)
1.400	6.07	2.72	0.00	68.1 (2-Lane)
1.400	7.02	3.16	0.00	79.0 (1-Lane)
1.500	3.69	3.69	0.00	92.3 (2-Lane)
1.500	4.24	4.24	0.00	106.0 (1-Lane)
1.600	2.72	6.07	0.00	68.1 (2-Lane)
1.600	3.16	7.02	0.00	79.1 (1-Lane)
1.700	3.66	15.50	0.00	91.5 (2-Lane)
1.700	4.29	18.06	0.00	107.2 (1-Lane)
1.800	3.81	32.23	0.00	95.3 (2-Lane)
1.800	4.38	36.99	0.00	109.4 (1-Lane)
1.900	4.30	107.09	0.00	107.4 (2-Lane)
1.900	4.93	122.91	0.00	123.2 (1-Lane)
1.948	3.44	258.21	0.00	85.9 (2-Lane)
1.948	3.94	296.35	0.00	98.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	468.8	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	615.3	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	703.2	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	732.5	99.2	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	703.2	95.2	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	615.3	83.3	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	468.8	63.5	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	263.7	35.7	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08
Rating Type: I-OPER
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G08
Rating Type: I-OPER
Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.52	999.00	10.52	999.00	0.00	420.6 (2-Lane)
1.100	14.06	999.00	14.06	999.00	0.00	562.5 (1-Lane)
1.200	6.07	999.00	6.07	999.00	0.00	242.7 (2-Lane)
1.200	8.11	999.00	8.11	999.00	0.00	324.6 (1-Lane)
1.300	4.56	999.00	4.56	999.00	0.00	182.6 (2-Lane)
1.300	6.10	999.00	6.10	999.00	0.00	244.2 (1-Lane)
1.400	4.04	999.00	4.04	999.00	0.00	161.6 (2-Lane)
1.400	5.40	999.00	5.40	999.00	0.00	216.2 (1-Lane)
1.500	4.07	999.00	4.07	999.00	0.00	162.8 (2-Lane)
1.500	5.44	999.00	5.44	999.00	0.00	217.7 (1-Lane)
1.600	4.04	999.00	4.04	999.00	0.00	161.6 (2-Lane)
1.600	5.40	999.00	5.40	999.00	0.00	216.2 (1-Lane)
1.700	4.56	999.00	4.56	999.00	0.00	182.6 (2-Lane)
1.700	6.10	999.00	6.10	999.00	0.00	244.2 (1-Lane)
1.800	6.07	999.00	6.07	999.00	0.00	242.7 (2-Lane)
1.800	8.11	999.00	8.11	999.00	0.00	324.6 (1-Lane)
1.900	10.37	999.00	10.37	999.00	0.00	414.7 (2-Lane)
1.900	13.86	999.00	13.86	999.00	0.00	554.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1451
SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G08
Rating Type: I-OPER
Rating Live Load: 3S2

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	65.68	0.00	49.39	0.00	57.23	0.00	43.03	0.00
1.100	48.4	5.6	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	31.0	4.2	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	20.6	2.8	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	10.3	1.4	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-10.3	-1.4	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-20.6	-2.8	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00

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1.800	-31.0	-4.2	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-41.3	-5.6	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.948	-46.2	-12.5	-65.19	0.00	-49.02	0.00	-56.80	0.00	-42.71	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type:

I-OPER

Rating Live Load:

3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	100.0	47.7	158.7	-182.1	135.2 (2-Lane)
1.300	103.4	47.7	162.0	-185.5	138.6 (1-Lane)
1.400	61.4	32.1	93.5	-105.2	81.8 (2-Lane)
1.400	62.6	32.1	94.8	-106.5	83.0 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	61.4	32.1	93.5	-81.8	105.2 (2-Lane)
1.600	62.6	32.1	94.8	-83.0	106.5 (1-Lane)
1.700	100.0	47.7	158.7	-135.2	182.1 (2-Lane)
1.700	103.4	47.7	162.0	-138.6	185.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type:

I-OPER

Rating Live Load:

3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	281.03	2.67	0.00	106.9 (2-Lane)
1.048	322.55	3.07	0.00	122.7 (1-Lane)
1.100	106.27	3.36	0.00	134.5 (2-Lane)
1.100	121.97	3.86	0.00	154.4 (1-Lane)
1.200	32.23	3.41	0.00	136.5 (2-Lane)
1.200	36.99	3.92	0.00	156.7 (1-Lane)
1.300	15.27	3.44	0.00	137.8 (2-Lane)
1.300	17.84	4.05	0.00	162.0 (1-Lane)
1.400	6.40	2.68	0.00	107.3 (2-Lane)
1.400	7.44	3.12	0.00	125.0 (1-Lane)
1.500	4.12	4.12	0.00	165.0 (2-Lane)
1.500	4.73	4.73	0.00	189.4 (1-Lane)
1.600	2.68	6.40	0.00	107.3 (2-Lane)
1.600	3.12	7.44	0.00	125.0 (1-Lane)
1.700	3.44	15.27	0.00	137.8 (2-Lane)
1.700	4.05	17.84	0.00	162.0 (1-Lane)
1.800	3.41	32.23	0.00	136.5 (2-Lane)
1.800	3.92	36.99	0.00	156.7 (1-Lane)
1.900	3.64	107.09	0.00	145.6 (2-Lane)
1.900	4.18	122.91	0.00	167.1 (1-Lane)
1.948	2.85	258.21	0.00	114.1 (2-Lane)
1.948	3.27	296.35	0.00	131.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	468.8	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	615.3	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	703.2	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	732.5	99.2	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	703.2	95.2	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	615.3	83.3	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	468.8	63.5	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	263.7	35.7	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.25	999.00	12.25	999.00	0.00	490.1 (2-Lane)
1.100	16.39	999.00	16.39	999.00	0.00	655.4 (1-Lane)
1.200	7.05	999.00	7.05	999.00	0.00	282.2 (2-Lane)
1.200	9.44	999.00	9.44	999.00	0.00	377.4 (1-Lane)
1.300	5.55	999.00	5.55	999.00	0.00	221.8 (2-Lane)
1.300	7.42	999.00	7.42	999.00	0.00	296.6 (1-Lane)
1.400	5.17	999.00	5.17	999.00	0.00	207.0 (2-Lane)
1.400	6.92	999.00	6.92	999.00	0.00	276.8 (1-Lane)
1.500	4.82	999.00	4.82	999.00	0.00	193.0 (2-Lane)
1.500	6.45	999.00	6.45	999.00	0.00	258.1 (1-Lane)
1.600	5.17	999.00	5.17	999.00	0.00	207.0 (2-Lane)
1.600	6.92	999.00	6.92	999.00	0.00	276.8 (1-Lane)
1.700	5.55	999.00	5.55	999.00	0.00	221.8 (2-Lane)
1.700	7.42	999.00	7.42	999.00	0.00	296.6 (1-Lane)
1.800	7.05	999.00	7.05	999.00	0.00	282.2 (2-Lane)
1.800	9.44	999.00	9.44	999.00	0.00	377.4 (1-Lane)
1.900	12.08	999.00	12.08	999.00	0.00	483.2 (2-Lane)
1.900	16.15	999.00	16.15	999.00	0.00	646.2 (1-Lane)

1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	56.35	0.00	42.37	0.00	49.10	0.00
1.100	48.4	5.6	51.60	0.00	38.80	0.00	44.96	0.00
1.200	31.0	4.2	42.59	0.00	32.02	0.00	37.11	0.00
1.300	20.6	2.8	33.58	0.00	25.25	0.00	29.26	0.00
1.400	10.3	1.4	26.21	0.00	19.71	0.00	22.83	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00
1.600	-10.3	-1.4	-26.21	0.00	-19.71	0.00	-22.83	0.00
1.700	-20.6	-2.8	-33.58	0.00	-25.25	0.00	-29.26	0.00
1.800	-31.0	-4.2	-42.59	0.00	-32.02	0.00	-37.11	0.00
1.900	-41.3	-5.6	-51.60	0.00	-38.80	0.00	-44.96	0.00
1.948	-46.2	-12.5	-55.91	0.00	-42.04	0.00	-48.71	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3-3

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	99.6	47.7	158.3	-181.7	134.9 (2-Lane)
1.300	102.3	47.7	161.0	-184.5	137.6 (1-Lane)
1.400	61.5	32.1	93.6	-105.4	81.9 (2-Lane)
1.400	62.3	32.1	94.4	-106.1	82.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	61.5	32.1	93.6	-81.9	105.4 (2-Lane)
1.600	62.3	32.1	94.4	-82.7	106.1 (1-Lane)
1.700	99.6	47.7	158.3	-134.9	181.7 (2-Lane)
1.700	102.3	47.7	161.0	-137.6	184.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	341.25	3.12	0.00	124.6 (2-Lane)
1.048	391.67	3.58	0.00	143.1 (1-Lane)
1.100	129.05	3.92	0.00	156.8 (2-Lane)
1.100	148.11	4.50	0.00	179.9 (1-Lane)

1.200	39.14	3.97	0.00	158.7 (2-Lane)
1.200	44.92	4.55	0.00	182.2 (1-Lane)
1.300	18.50	4.02	0.00	160.7 (2-Lane)
1.300	21.55	4.70	0.00	188.1 (1-Lane)
1.400	7.24	3.13	0.00	125.0 (2-Lane)
1.400	8.37	3.62	0.00	144.8 (1-Lane)
1.500	4.43	4.43	0.00	177.2 (2-Lane)
1.500	5.09	5.09	0.00	203.4 (1-Lane)
1.600	3.13	7.24	0.00	125.0 (2-Lane)
1.600	3.62	8.37	0.00	144.8 (1-Lane)
1.700	4.02	18.50	0.00	160.7 (2-Lane)
1.700	4.70	21.55	0.00	188.1 (1-Lane)
1.800	3.97	39.14	0.00	158.7 (2-Lane)
1.800	4.55	44.92	0.00	182.2 (1-Lane)
1.900	4.24	130.04	0.00	169.6 (2-Lane)
1.900	4.87	149.25	0.00	194.7 (1-Lane)
1.948	3.33	313.54	0.00	133.1 (2-Lane)
1.948	3.82	359.86	0.00	152.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	468.8	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	615.3	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	703.2	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	732.5	99.2	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	703.2	95.2	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	615.3	83.3	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	468.8	63.5	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	263.7	35.7	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	11.23	999.00	11.23	999.00	0.00	303.3 (2-Lane)
1.100	15.02	999.00	15.02	999.00	0.00	405.6 (1-Lane)
1.200	6.12	999.00	6.12	999.00	0.00	165.2 (2-Lane)
1.200	8.18	999.00	8.18	999.00	0.00	220.9 (1-Lane)
1.300	4.70	999.00	4.70	999.00	0.00	126.9 (2-Lane)
1.300	6.29	999.00	6.29	999.00	0.00	169.7 (1-Lane)
1.400	4.04	999.00	4.04	999.00	0.00	109.1 (2-Lane)
1.400	5.40	999.00	5.40	999.00	0.00	145.9 (1-Lane)
1.500	3.88	999.00	3.88	999.00	0.00	104.9 (2-Lane)
1.500	5.20	999.00	5.20	999.00	0.00	140.3 (1-Lane)
1.600	4.04	999.00	4.04	999.00	0.00	109.1 (2-Lane)
1.600	5.40	999.00	5.40	999.00	0.00	145.9 (1-Lane)
1.700	4.70	999.00	4.70	999.00	0.00	126.9 (2-Lane)
1.700	6.29	999.00	6.29	999.00	0.00	169.7 (1-Lane)
1.800	6.12	999.00	6.12	999.00	0.00	165.2 (2-Lane)
1.800	8.18	999.00	8.18	999.00	0.00	220.9 (1-Lane)
1.900	11.07	999.00	11.07	999.00	0.00	299.0 (2-Lane)
1.900	14.81	999.00	14.81	999.00	0.00	399.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	60.03	0.00	45.14	0.00	52.30	0.00	39.33	0.00
1.100	48.4	5.6	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	31.0	4.2	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	20.6	2.8	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	10.3	1.4	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-10.3	-1.4	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-20.6	-2.8	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-31.0	-4.2	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-41.3	-5.6	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.948	-46.2	-12.5	-59.70	0.00	-44.89	0.00	-52.02	0.00	-39.11	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU4

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	104.1	47.7	162.7	-186.2	139.3 (2-Lane)
1.300	107.3	47.7	165.9	-189.4	142.5 (1-Lane)
1.400	65.5	32.1	97.6	-109.3	85.8 (2-Lane)
1.400	66.7	32.1	98.8	-110.5	87.1 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	65.5	32.1	97.6	-85.9	109.3 (2-Lane)
1.600	66.7	32.1	98.8	-87.1	110.5 (1-Lane)
1.700	104.1	47.7	162.7	-139.3	186.2 (2-Lane)

1.700	107.3	47.7	165.9	-142.5	189.4 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	281.03	2.92	0.00	79.0 (2-Lane)
1.048	322.55	3.36	0.00	90.6 (1-Lane)
1.100	106.27	3.59	0.00	97.0 (2-Lane)
1.100	121.97	4.12	0.00	111.4 (1-Lane)
1.200	29.72	3.44	0.00	92.9 (2-Lane)
1.200	34.11	3.95	0.00	106.6 (1-Lane)
1.300	13.67	3.32	0.00	89.6 (2-Lane)
1.300	15.96	3.90	0.00	105.2 (1-Lane)
1.400	5.33	2.47	0.00	66.6 (2-Lane)
1.400	6.19	2.87	0.00	77.5 (1-Lane)
1.500	3.27	3.27	0.00	88.1 (2-Lane)
1.500	3.75	3.75	0.00	101.2 (1-Lane)
1.600	2.47	5.33	0.00	66.6 (2-Lane)
1.600	2.87	6.19	0.00	77.5 (1-Lane)
1.700	3.32	13.67	0.00	89.6 (2-Lane)
1.700	3.90	15.96	0.00	105.2 (1-Lane)
1.800	3.44	29.72	0.00	92.9 (2-Lane)
1.800	3.95	34.11	0.00	106.6 (1-Lane)
1.900	3.89	107.09	0.00	105.0 (2-Lane)
1.900	4.46	122.91	0.00	120.5 (1-Lane)
1.948	3.12	258.21	0.00	84.1 (2-Lane)
1.948	3.58	296.35	0.00	96.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00
1.200	468.8	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00
1.300	615.3	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00
1.400	703.2	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00
1.500	732.5	99.2	820.37 R	0.00	616.82	0.00	613.42 R	0.00
1.600	703.2	95.2	807.52 R	0.00	607.16	0.00	603.81 R	0.00
1.700	615.3	83.3	710.98 R	0.00	534.57	0.00	531.62 R	0.00
1.800	468.8	63.5	552.61 R	0.00	415.50	0.00	413.21 R	0.00
1.900	263.7	35.7	318.15 R	0.00	239.21	0.00	237.89 R	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	10.12	999.00	10.12	999.00	313.8 (2-Lane)
1.100	13.54	999.00	13.54	999.00	419.6 (1-Lane)
1.200	5.54	999.00	5.54	999.00	171.7 (2-Lane)
1.200	7.41	999.00	7.41	999.00	229.7 (1-Lane)
1.300	4.24	999.00	4.24	999.00	131.4 (2-Lane)
1.300	5.67	999.00	5.67	999.00	175.8 (1-Lane)
1.400	3.66	999.00	3.66	999.00	113.4 (2-Lane)
1.400	4.89	999.00	4.89	999.00	151.7 (1-Lane)
1.500	3.56	999.00	3.56	999.00	110.4 (2-Lane)
1.500	4.76	999.00	4.76	999.00	147.6 (1-Lane)
1.600	3.66	999.00	3.66	999.00	113.4 (2-Lane)
1.600	4.89	999.00	4.89	999.00	151.7 (1-Lane)
1.700	4.24	999.00	4.24	999.00	131.4 (2-Lane)
1.700	5.67	999.00	5.67	999.00	175.8 (1-Lane)
1.800	5.54	999.00	5.54	999.00	171.7 (2-Lane)
1.800	7.41	999.00	7.41	999.00	229.7 (1-Lane)
1.900	9.98	999.00	9.98	999.00	309.3 (2-Lane)
1.900	13.35	999.00	13.35	999.00	413.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU5

Span	Gamma		(2-Lane) LL		(1-Lane) LL	
	DC 1.25	DW 1.25	LL 1.35	LL 1.35	LL 1.35	LL 1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	66.77	0.00	50.20	0.00
1.100	48.4	5.6	62.46	0.00	46.96	0.00
1.200	31.0	4.2	54.24	0.00	40.78	0.00
1.300	20.6	2.8	46.03	0.00	34.61	0.00
1.400	10.3	1.4	37.81	0.00	28.43	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00
1.600	-10.3	-1.4	-37.81	0.00	-28.43	0.00
1.700	-20.6	-2.8	-46.03	0.00	-34.61	0.00
1.800	-31.0	-4.2	-54.24	0.00	-40.78	0.00
1.900	-41.3	-5.6	-62.46	0.00	-46.96	0.00
1.948	-46.2	-12.5	-66.39	0.00	-49.92	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU5

	Vc	Shear Vs	Resistance Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	104.8	47.7	163.4	-186.9	140.0 (2-Lane)
1.300	104.8	47.7	163.4	-186.9	140.0 (1-Lane)
1.400	66.1	32.1	98.2	-109.9	86.5 (2-Lane)
1.400	67.5	32.1	99.6	-111.3	87.9 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	66.1	32.1	98.2	-86.5	109.9 (2-Lane)
1.600	67.5	32.1	99.6	-87.9	111.3 (1-Lane)
1.700	104.8	47.7	163.4	-140.0	186.9 (2-Lane)
1.700	104.8	47.7	163.4	-143.6	190.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU5

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	281.03	2.63	0.00	81.5 (2-Lane)
1.048	322.55	3.02	0.00	93.6 (1-Lane)
1.100	106.27	3.24	0.00	100.4 (2-Lane)
1.100	121.97	3.72	0.00	115.2 (1-Lane)
1.200	29.72	3.12	0.00	96.6 (2-Lane)
1.200	34.11	3.58	0.00	110.8 (1-Lane)
1.300	12.84	3.04	0.00	94.3 (2-Lane)
1.300	15.02	3.58	0.00	111.0 (1-Lane)
1.400	5.14	2.29	0.00	70.9 (2-Lane)
1.400	5.98	2.67	0.00	82.7 (1-Lane)
1.500	3.05	3.05	0.00	94.6 (2-Lane)
1.500	3.50	3.50	0.00	108.5 (1-Lane)
1.600	2.29	5.14	0.00	70.9 (2-Lane)
1.600	2.67	5.98	0.00	82.7 (1-Lane)
1.700	3.04	12.84	0.00	94.3 (2-Lane)
1.700	3.58	15.02	0.00	111.0 (1-Lane)
1.800	3.12	29.72	0.00	96.6 (2-Lane)
1.800	3.58	34.11	0.00	110.8 (1-Lane)
1.900	3.50	107.09	0.00	108.6 (2-Lane)
1.900	4.02	122.91	0.00	124.6 (1-Lane)
1.948	2.80	258.21	0.00	86.8 (2-Lane)
1.948	3.21	296.35	0.00	99.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type:		I-OPER									
Rating Live Load:		SU6		(2-Lane)				(1-Lane)			
Gamma	DC	DW		LL				LL			
	1.25	1.25		1.35				1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	218.4	35.7	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00	0.00
1.200	468.8	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00	0.00
1.300	615.3	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00	0.00
1.400	703.2	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00	0.00
1.500	732.5	99.2	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00	0.00
1.600	703.2	95.2	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00	0.00
1.700	615.3	83.3	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00	0.00
1.800	468.8	63.5	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00	0.00
1.900	263.7	35.7	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.59	999.00	9.59	999.00	0.00	333.3 (2-Lane)
1.100	12.83	999.00	12.83	999.00	0.00	445.7 (1-Lane)
1.200	5.05	999.00	5.05	999.00	0.00	175.6 (2-Lane)
1.200	6.76	999.00	6.76	999.00	0.00	234.8 (1-Lane)
1.300	3.83	999.00	3.83	999.00	0.00	133.1 (2-Lane)
1.300	5.12	999.00	5.12	999.00	0.00	178.0 (1-Lane)
1.400	3.33	999.00	3.33	999.00	0.00	115.7 (2-Lane)
1.400	4.45	999.00	4.45	999.00	0.00	154.7 (1-Lane)
1.500	3.19	999.00	3.19	999.00	0.00	111.0 (2-Lane)
1.500	4.27	999.00	4.27	999.00	0.00	148.5 (1-Lane)
1.600	3.33	999.00	3.33	999.00	0.00	115.7 (2-Lane)
1.600	4.45	999.00	4.45	999.00	0.00	154.7 (1-Lane)
1.700	3.83	999.00	3.83	999.00	0.00	133.1 (2-Lane)
1.700	5.12	999.00	5.12	999.00	0.00	178.0 (1-Lane)
1.800	5.05	999.00	5.05	999.00	0.00	175.6 (2-Lane)
1.800	6.76	999.00	6.76	999.00	0.00	234.8 (1-Lane)
1.900	9.45	999.00	9.45	999.00	0.00	328.6 (2-Lane)
1.900	12.65	999.00	12.65	999.00	0.00	439.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU6

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.35 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	70.75	0.00	53.20	0.00	61.64	0.00	46.35	0.00
1.100	48.4	5.6	65.92	0.00	49.56	0.00	57.43	0.00	43.18	0.00
1.200	31.0	4.2	56.71	0.00	42.64	0.00	49.41	0.00	37.15	0.00
1.300	20.6	2.8	47.50	0.00	35.71	0.00	41.39	0.00	31.12	0.00
1.400	10.3	1.4	38.29	0.00	28.79	0.00	33.36	0.00	25.08	0.00
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05	0.00
1.600	-10.3	-1.4	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08	0.00
1.700	-20.6	-2.8	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12	0.00
1.800	-31.0	-4.2	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15	0.00
1.900	-41.3	-5.6	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18	0.00
1.948	-46.2	-12.5	-70.32	0.00	-52.88	0.00	-61.27	0.00	-46.07	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.4	47.7	161.1	-184.6	137.7 (2-Lane)
1.300	106.4	47.7	165.1	-188.5	141.7 (1-Lane)
1.400	64.4	32.1	96.5	-108.2	84.8 (2-Lane)
1.400	66.0	32.1	98.2	-109.9	86.4 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.4	32.1	96.5	-84.8	108.2 (2-Lane)
1.600	66.0	32.1	98.2	-86.4	109.9 (1-Lane)
1.700	102.4	47.7	161.1	-137.7	184.6 (2-Lane)
1.700	106.4	47.7	165.1	-141.7	188.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	415.44	2.48	0.00	86.2 (2-Lane)
1.048	476.82	2.85	0.00	99.0 (1-Lane)
1.100	179.71	3.07	0.00	106.6 (2-Lane)
1.100	206.26	3.52	0.00	122.4 (1-Lane)
1.200	37.56	2.98	0.00	103.5 (2-Lane)
1.200	43.11	3.42	0.00	118.8 (1-Lane)

1.300	14.12	2.90	0.00	100.7 (2-Lane)
1.300	16.56	3.42	0.00	118.9 (1-Lane)
1.400	5.21	2.21	0.00	76.9 (2-Lane)
1.400	6.08	2.59	0.00	90.0 (1-Lane)
1.500	3.11	3.11	0.00	107.9 (2-Lane)
1.500	3.56	3.56	0.00	123.8 (1-Lane)
1.600	2.21	5.21	0.00	76.9 (2-Lane)
1.600	2.59	6.08	0.00	90.0 (1-Lane)
1.700	2.90	14.12	0.00	100.7 (2-Lane)
1.700	3.42	16.56	0.00	118.9 (1-Lane)
1.800	2.98	37.56	0.00	103.5 (2-Lane)
1.800	3.42	43.11	0.00	118.8 (1-Lane)
1.900	3.32	181.08	0.00	115.3 (2-Lane)
1.900	3.81	207.84	0.00	132.4 (1-Lane)
1.948	2.64	381.70	0.00	91.9 (2-Lane)
1.948	3.04	438.09	0.00	105.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.200	468.8	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.300	615.3	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.400	703.2	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.500	732.5	99.2	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00
1.600	703.2	95.2	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.700	615.3	83.3	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.800	468.8	63.5	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.900	263.7	35.7	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating top fiber +bend	Factor -bend	bottom fiber +bend	-bend	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.17	999.00	9.17	999.00	0.00	355.2 (2-Lane)
1.100	12.26	999.00	12.26	999.00	0.00	475.0 (1-Lane)
1.200	4.83	999.00	4.83	999.00	0.00	187.2 (2-Lane)
1.200	6.46	999.00	6.46	999.00	0.00	250.3 (1-Lane)
1.300	3.56	999.00	3.56	999.00	0.00	137.9 (2-Lane)
1.300	4.76	999.00	4.76	999.00	0.00	184.4 (1-Lane)
1.400	3.08	999.00	3.08	999.00	0.00	119.5 (2-Lane)
1.400	4.12	999.00	4.12	999.00	0.00	159.8 (1-Lane)
1.500	2.94	999.00	2.94	999.00	0.00	114.1 (2-Lane)
1.500	3.94	999.00	3.94	999.00	0.00	152.6 (1-Lane)
1.600	3.08	999.00	3.08	999.00	0.00	119.5 (2-Lane)
1.600	4.12	999.00	4.12	999.00	0.00	159.8 (1-Lane)
1.700	3.56	999.00	3.56	999.00	0.00	137.9 (2-Lane)
1.700	4.76	999.00	4.76	999.00	0.00	184.4 (1-Lane)
1.800	4.83	999.00	4.83	999.00	0.00	187.2 (2-Lane)
1.800	6.46	999.00	6.46	999.00	0.00	250.3 (1-Lane)
1.900	9.04	999.00	9.04	999.00	0.00	350.2 (2-Lane)
1.900	12.09	999.00	12.09	999.00	0.00	468.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	6.3	74.36	0.00	55.91	0.00	64.79	0.00	48.71	0.00
1.100	48.4	5.6	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	31.0	4.2	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	20.6	2.8	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	10.3	1.4	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-10.3	-1.4	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-20.6	-2.8	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-31.0	-4.2	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-41.3	-5.6	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.948	-46.2	-12.5	-73.88	0.00	-55.55	0.00	-64.37	0.00	-48.40	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU7

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	100.5	47.7	159.2	-182.7	135.8 (2-Lane)
1.300	104.8	47.7	163.4	-186.9	140.0 (1-Lane)
1.400	62.5	32.1	94.6	-106.4	82.9 (2-Lane)
1.400	64.4	32.1	96.5	-108.2	84.8 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	62.5	32.1	94.7	-82.9	106.4 (2-Lane)
1.600	64.4	32.1	96.5	-84.8	108.2 (1-Lane)
1.700	100.5	47.7	159.2	-135.8	182.7 (2-Lane)
1.700	104.8	47.7	163.4	-140.0	186.9 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)

1.900 96.8 157.7 265.7 -218.8 312.5 (1-Lane)
1.948 88.4 145.1 244.7 -186.0 303.4 (2-Lane)
1.948 88.4 145.1 244.7 -186.0 303.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-OPER

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	415.44	2.36	0.00	91.5 (2-Lane)
1.048	476.82	2.71	0.00	105.0 (1-Lane)
1.100	203.54	2.93	0.00	113.6 (2-Lane)
1.100	233.61	3.37	0.00	130.4 (1-Lane)
1.200	49.59	2.88	0.00	111.5 (2-Lane)
1.200	56.92	3.30	0.00	128.0 (1-Lane)
1.300	16.04	2.80	0.00	108.6 (2-Lane)
1.300	18.83	3.32	0.00	128.6 (1-Lane)
1.400	5.43	2.17	0.00	84.2 (2-Lane)
1.400	6.34	2.55	0.00	98.8 (1-Lane)
1.500	3.19	3.19	0.00	123.5 (2-Lane)
1.500	3.66	3.66	0.00	141.8 (1-Lane)
1.600	2.17	5.43	0.00	84.2 (2-Lane)
1.600	2.55	6.34	0.00	98.8 (1-Lane)
1.700	2.80	16.04	0.00	108.6 (2-Lane)
1.700	3.32	18.83	0.00	128.6 (1-Lane)
1.800	2.88	49.59	0.00	111.5 (2-Lane)
1.800	3.30	56.92	0.00	128.0 (1-Lane)
1.900	3.17	205.10	0.00	122.9 (2-Lane)
1.900	3.64	235.40	0.00	141.1 (1-Lane)
1.948	2.52	381.70	0.00	97.5 (2-Lane)
1.948	2.89	438.09	0.00	112.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	346.03 R	260.17	258.74 R	194.54
1.200	468.8	63.5	602.06 R	452.67	450.18 R	338.48
1.300	615.3	83.3	768.09 R	577.51	574.33 R	431.83
1.400	703.2	95.2	863.15 R	648.98	645.41 R	485.27
1.500	732.5	99.2	880.89 R	662.32	658.67 R	495.24
1.600	703.2	95.2	863.15 R	648.98	645.41 R	485.27
1.700	615.3	83.3	768.09 R	577.51	574.33 R	431.83
1.800	468.8	63.5	602.06 R	452.67	450.18 R	338.48
1.900	263.7	35.7	346.03 R	260.17	258.74 R	194.54
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3

Span	Moment Resistance Positive Bending	Moment Resistance Negative Bending	Available Resistance for LL+I Positive Bending	Available Resistance for LL+I Negative Bending
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	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.31	999.00	9.31	999.00	0.00	232.7 (2-Lane)
1.100	12.45	999.00	12.45	999.00	0.00	311.1 (1-Lane)
1.200	5.09	999.00	5.09	999.00	0.00	127.1 (2-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	170.0 (1-Lane)
1.300	3.92	999.00	3.92	999.00	0.00	98.1 (2-Lane)
1.300	5.25	999.00	5.25	999.00	0.00	131.2 (1-Lane)
1.400	3.42	999.00	3.42	999.00	0.00	85.6 (2-Lane)
1.400	4.58	999.00	4.58	999.00	0.00	114.4 (1-Lane)
1.500	3.32	999.00	3.32	999.00	0.00	82.9 (2-Lane)
1.500	4.43	999.00	4.43	999.00	0.00	110.9 (1-Lane)
1.600	3.42	999.00	3.42	999.00	0.00	85.6 (2-Lane)
1.600	4.58	999.00	4.58	999.00	0.00	114.4 (1-Lane)
1.700	3.92	999.00	3.92	999.00	0.00	98.1 (2-Lane)
1.700	5.25	999.00	5.25	999.00	0.00	131.2 (1-Lane)
1.800	5.09	999.00	5.09	999.00	0.00	127.1 (2-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	170.0 (1-Lane)
1.900	9.18	999.00	9.18	999.00	0.00	229.4 (2-Lane)
1.900	12.27	999.00	12.27	999.00	0.00	306.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.80	(1-Lane) LL 1.80		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	72.56	54.56	63.22	47.54
1.100	48.4	5.6	67.93	51.08	59.19	44.50
1.200	31.0	4.2	59.10	44.43	51.49	38.71
1.300	20.6	2.8	50.26	37.79	43.79	32.93
1.400	10.3	1.4	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-10.3	-1.4	-41.43	-31.15	-36.10	-27.14
1.700	-20.6	-2.8	-50.26	-37.79	-43.79	-32.93
1.800	-31.0	-4.2	-59.10	-44.43	-51.49	-38.71
1.900	-41.3	-5.6	-67.93	-51.08	-59.19	-44.50
1.948	-46.2	-12.5	-72.16	-54.25	-62.87	-47.27
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08
Rating Type: I-LEGL
Rating Live Load: 3

	Shear Vc	Resistance Vs	Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	106.2	47.7	164.9	-188.3	141.5 (2-Lane)
1.300	110.1	47.7	168.8	-192.2	145.4 (1-Lane)
1.400	67.7	32.1	99.8	-111.5	88.1 (2-Lane)
1.400	69.3	32.1	101.4	-113.2	89.7 (1-Lane)
1.500	39.9	50.6	90.6	-90.6	90.6 (2-Lane)
1.500	40.0	50.6	90.6	-90.6	90.6 (1-Lane)
1.600	67.7	32.1	99.8	-88.1	111.5 (2-Lane)
1.600	69.3	32.1	101.5	-89.7	113.2 (1-Lane)
1.700	106.2	47.7	164.9	-141.5	188.3 (2-Lane)
1.700	110.1	47.7	168.8	-145.4	192.2 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08
Rating Type: I-LEGL
Rating Live Load: 3

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	210.77	2.42	0.00	60.5 (2-Lane)
1.048	241.91	2.78	0.00	69.4 (1-Lane)
1.100	79.71	2.98	0.00	74.4 (2-Lane)
1.100	91.48	3.42	0.00	85.4 (1-Lane)
1.200	24.17	2.86	0.00	71.5 (2-Lane)
1.200	27.75	3.28	0.00	82.0 (1-Lane)
1.300	11.84	2.82	0.00	70.4 (2-Lane)
1.300	13.87	3.32	0.00	83.0 (1-Lane)
1.400	4.69	2.13	0.00	53.2 (2-Lane)
1.400	5.47	2.49	0.00	62.1 (1-Lane)
1.500	2.78	2.78	0.00	69.5 (2-Lane)
1.500	3.19	3.19	0.00	79.8 (1-Lane)
1.600	2.13	4.69	0.00	53.2 (2-Lane)
1.600	2.49	5.47	0.00	62.2 (1-Lane)
1.700	2.82	11.84	0.00	70.4 (2-Lane)
1.700	3.32	13.87	0.00	83.0 (1-Lane)
1.800	2.86	24.17	0.00	71.5 (2-Lane)
1.800	3.28	27.75	0.00	82.0 (1-Lane)
1.900	3.22	80.32	0.00	80.5 (2-Lane)
1.900	3.70	92.18	0.00	92.4 (1-Lane)
1.948	2.58	193.65	0.00	64.4 (2-Lane)
1.948	2.96	222.27	0.00	74.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1496

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08
Rating Type: III-LG
Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	153.79 R	115.63	114.99 R	86.46
1.200	468.8	63.5	267.58 R	201.19	200.08 R	150.44
1.300	615.3	83.3	341.37 R	256.67	255.26 R	191.92
1.400	703.2	95.2	383.62 R	288.44	286.85 R	215.67
1.500	732.5	99.2	391.51 R	294.36	292.74 R	220.11
1.600	703.2	95.2	383.62 R	288.44	286.85 R	215.67
1.700	615.3	83.3	341.37 R	256.67	255.26 R	191.92
1.800	468.8	63.5	267.58 R	201.19	200.08 R	150.44
1.900	263.7	35.7	153.79 R	115.63	114.99 R	86.46
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1496

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
 Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S
 Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	46.05	999.00	13.89	999.00	0.00	347.3 (2-Lane)
1.100	61.58	999.00	18.58	999.00	0.00	464.4 (1-Lane)
1.200	24.03	999.00	7.16	999.00	0.00	178.9 (2-Lane)
1.200	32.14	999.00	9.57	999.00	0.00	239.3 (1-Lane)
1.300	18.00	999.00	5.33	999.00	0.00	133.2 (2-Lane)
1.300	24.08	999.00	7.12	999.00	0.00	178.1 (1-Lane)
1.400	15.28	999.00	4.51	999.00	0.00	112.8 (2-Lane)
1.400	20.43	999.00	6.03	999.00	0.00	150.8 (1-Lane)
1.500	14.61	999.00	4.31	999.00	0.00	107.8 (2-Lane)
1.500	19.54	999.00	5.77	999.00	0.00	144.2 (1-Lane)
1.600	15.28	999.00	4.51	999.00	0.00	112.8 (2-Lane)
1.600	20.43	999.00	6.03	999.00	0.00	150.8 (1-Lane)
1.700	18.00	999.00	5.33	999.00	0.00	133.2 (2-Lane)
1.700	24.08	999.00	7.12	999.00	0.00	178.1 (1-Lane)
1.800	24.03	999.00	7.16	999.00	0.00	178.9 (2-Lane)
1.800	32.14	999.00	9.57	999.00	0.00	239.3 (1-Lane)
1.900	45.45	999.00	13.60	999.00	0.00	340.1 (2-Lane)
1.900	60.78	999.00	18.19	999.00	0.00	454.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane) 1.80	(1-Lane) 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	218.4	35.7	408.35 R	307.03	305.33 R	229.57	229.57	229.57	229.57
1.200	468.8	63.5	672.70 R	505.79	503.00 R	378.19	378.19	378.19	378.19
1.300	615.3	83.3	880.54 R	662.06	658.41 R	495.04	495.04	495.04	495.04
1.400	703.2	95.2	974.81 R	732.94	728.90 R	548.05	548.05	548.05	548.05
1.500	732.5	99.2	956.79 R	719.39	715.43 R	537.91	537.91	537.91	537.91
1.600	703.2	95.2	974.81 R	732.94	728.90 R	548.05	548.05	548.05	548.05
1.700	615.3	83.3	880.54 R	662.06	658.41 R	495.04	495.04	495.04	495.04
1.800	468.8	63.5	672.70 R	505.79	503.00 R	378.19	378.19	378.19	378.19
1.900	263.7	35.7	408.35 R	307.03	305.33 R	229.57	229.57	229.57	229.57
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1500

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.89	999.00	7.89	999.00	0.00	315.4 (2-Lane)
1.100	10.55	999.00	10.55	999.00	0.00	421.9 (1-Lane)
1.200	4.55	999.00	4.55	999.00	0.00	182.0 (2-Lane)
1.200	6.09	999.00	6.09	999.00	0.00	243.4 (1-Lane)
1.300	3.42	999.00	3.42	999.00	0.00	136.9 (2-Lane)
1.300	4.58	999.00	4.58	999.00	0.00	183.1 (1-Lane)
1.400	3.03	999.00	3.03	999.00	0.00	121.2 (2-Lane)
1.400	4.05	999.00	4.05	999.00	0.00	162.1 (1-Lane)
1.500	3.05	999.00	3.05	999.00	0.00	122.1 (2-Lane)
1.500	4.08	999.00	4.08	999.00	0.00	163.3 (1-Lane)
1.600	3.03	999.00	3.03	999.00	0.00	121.2 (2-Lane)
1.600	4.05	999.00	4.05	999.00	0.00	162.1 (1-Lane)

1.700	3.42	999.00	3.42	999.00	0.00	136.9 (2-Lane)
1.700	4.58	999.00	4.58	999.00	0.00	183.1 (1-Lane)
1.800	4.55	999.00	4.55	999.00	0.00	182.0 (2-Lane)
1.800	6.09	999.00	6.09	999.00	0.00	243.4 (1-Lane)
1.900	7.78	999.00	7.78	999.00	0.00	311.0 (2-Lane)
1.900	10.40	999.00	10.40	999.00	0.00	415.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	87.58	65.85	76.31	57.37
1.100	48.4	5.6	80.16	60.27	69.85	52.52
1.200	31.0	4.2	66.03	49.65	57.53	43.26
1.300	20.6	2.8	52.36	39.37	45.62	34.30
1.400	10.3	1.4	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-10.3	-1.4	-40.67	-30.58	-35.43	-26.64
1.700	-20.6	-2.8	-52.36	-39.37	-45.62	-34.30
1.800	-31.0	-4.2	-66.03	-49.65	-57.53	-43.26
1.900	-41.3	-5.6	-80.16	-60.27	-69.85	-52.52
1.948	-46.2	-12.5	-86.93	-65.36	-75.74	-56.94
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1502

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.8	47.7	161.5	-184.9	138.1 (2-Lane)
1.300	102.8	47.7	165.9	-189.3	142.5 (1-Lane)
1.400	64.2	32.1	96.3	-108.0	84.6 (2-Lane)
1.400	66.1	32.1	98.2	-109.9	86.5 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.2	32.1	96.3	-84.6	108.0 (2-Lane)
1.600	66.1	32.1	98.2	-86.5	109.9 (1-Lane)
1.700	102.8	47.7	161.5	-138.1	184.9 (2-Lane)
1.700	107.2	47.7	165.9	-142.5	189.3 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	210.77	2.01	0.00	80.2 (2-Lane)
1.048	241.91	2.30	0.00	92.0 (1-Lane)
1.100	79.71	2.52	0.00	100.9 (2-Lane)
1.100	91.48	2.89	0.00	115.8 (1-Lane)
1.200	24.17	2.56	0.00	102.4 (2-Lane)
1.200	27.75	2.94	0.00	117.5 (1-Lane)
1.300	11.63	2.64	0.00	105.5 (2-Lane)
1.300	13.66	3.12	0.00	124.9 (1-Lane)
1.400	4.93	2.08	0.00	83.2 (2-Lane)
1.400	5.76	2.44	0.00	97.6 (1-Lane)
1.500	3.09	3.09	0.00	123.7 (2-Lane)
1.500	3.55	3.55	0.00	142.0 (1-Lane)
1.600	2.08	4.93	0.00	83.2 (2-Lane)
1.600	2.44	5.76	0.00	97.7 (1-Lane)
1.700	2.64	11.63	0.00	105.5 (2-Lane)
1.700	3.12	13.66	0.00	124.9 (1-Lane)
1.800	2.56	24.17	0.00	102.4 (2-Lane)
1.800	2.94	27.75	0.00	117.5 (1-Lane)
1.900	2.73	80.32	0.00	109.2 (2-Lane)
1.900	3.13	92.18	0.00	125.3 (1-Lane)
1.948	2.14	193.65	0.00	85.6 (2-Lane)
1.948	2.46	222.27	0.00	98.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1504

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	181.49 R	136.46	135.70 R	102.03	102.03	102.03
1.200	468.8	63.5	298.98 R	224.79	223.56 R	168.09	168.09	168.09
1.300	615.3	83.3	391.35 R	294.25	292.63 R	220.02	220.02	220.02
1.400	703.2	95.2	433.25 R	325.75	323.96 R	243.58	243.58	243.58
1.500	732.5	99.2	425.24 R	319.73	317.97 R	239.07	239.07	239.07
1.600	703.2	95.2	433.25 R	325.75	323.96 R	243.58	243.58	243.58
1.700	615.3	83.3	391.35 R	294.25	292.63 R	220.02	220.02	220.02
1.800	468.8	63.5	298.98 R	224.79	223.56 R	168.09	168.09	168.09
1.900	263.7	35.7	181.49 R	136.46	135.70 R	102.03	102.03	102.03
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1504

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: 3S2
Rating Live Load:

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S

Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	39.02	999.00	11.77	999.00	0.00	470.8 (2-Lane)
1.100	52.18	999.00	15.74	999.00	0.00	629.7 (1-Lane)
1.200	21.51	999.00	6.40	999.00	0.00	256.2 (2-Lane)
1.200	28.76	999.00	8.56	999.00	0.00	342.6 (1-Lane)
1.300	15.70	999.00	4.65	999.00	0.00	185.9 (2-Lane)
1.300	21.00	999.00	6.21	999.00	0.00	248.6 (1-Lane)
1.400	13.53	999.00	3.99	999.00	0.00	159.8 (2-Lane)
1.400	18.09	999.00	5.34	999.00	0.00	213.6 (1-Lane)
1.500	13.45	999.00	3.97	999.00	0.00	158.9 (2-Lane)
1.500	17.99	999.00	5.31	999.00	0.00	212.5 (1-Lane)
1.600	13.53	999.00	3.99	999.00	0.00	159.8 (2-Lane)
1.600	18.09	999.00	5.34	999.00	0.00	213.6 (1-Lane)
1.700	15.70	999.00	4.65	999.00	0.00	185.9 (2-Lane)
1.700	21.00	999.00	6.21	999.00	0.00	248.6 (1-Lane)
1.800	21.51	999.00	6.40	999.00	0.00	256.2 (2-Lane)
1.800	28.76	999.00	8.56	999.00	0.00	342.6 (1-Lane)
1.900	38.51	999.00	11.53	999.00	0.00	461.2 (2-Lane)
1.900	51.51	999.00	15.42	999.00	0.00	616.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.80	1.80	1.80	1.80
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.048	103.8	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	35.7	350.45 R		263.50	262.05 R		197.03
1.200	468.8	63.5	578.51 R		434.97	432.57 R		325.24
1.300	615.3	83.3	724.75 R		544.92	541.92 R		407.46
1.400	703.2	95.2	761.27 R		572.38	569.23 R		427.99
1.500	732.5	99.2	807.25 R		606.96	603.61 R		453.84
1.600	703.2	95.2	761.27 R		572.38	569.23 R		427.99
1.700	615.3	83.3	724.75 R		544.92	541.92 R		407.46
1.800	468.8	63.5	578.51 R		434.97	432.57 R		325.24
1.900	263.7	35.7	350.45 R		263.50	262.05 R		197.03
1.948	137.6	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6

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1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4	
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7	
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4	
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6	
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3	
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4	
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6	
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0	

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type:

I-LEGL

Rating Live Load:

3-3

Moment						
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.19	999.00	9.19	999.00	0.00	367.5 (2-Lane)
1.100	12.29	999.00	12.29	999.00	0.00	491.5 (1-Lane)
1.200	5.29	999.00	5.29	999.00	0.00	211.7 (2-Lane)
1.200	7.08	999.00	7.08	999.00	0.00	283.1 (1-Lane)
1.300	4.16	999.00	4.16	999.00	0.00	166.4 (2-Lane)
1.300	5.56	999.00	5.56	999.00	0.00	222.5 (1-Lane)
1.400	3.88	999.00	3.88	999.00	0.00	155.2 (2-Lane)
1.400	5.19	999.00	5.19	999.00	0.00	207.6 (1-Lane)
1.500	3.62	999.00	3.62	999.00	0.00	144.7 (2-Lane)
1.500	4.84	999.00	4.84	999.00	0.00	193.6 (1-Lane)
1.600	3.88	999.00	3.88	999.00	0.00	155.2 (2-Lane)
1.600	5.19	999.00	5.19	999.00	0.00	207.6 (1-Lane)
1.700	4.16	999.00	4.16	999.00	0.00	166.4 (2-Lane)
1.700	5.56	999.00	5.56	999.00	0.00	222.5 (1-Lane)
1.800	5.29	999.00	5.29	999.00	0.00	211.7 (2-Lane)
1.800	7.08	999.00	7.08	999.00	0.00	283.1 (1-Lane)
1.900	9.06	999.00	9.06	999.00	0.00	362.4 (2-Lane)
1.900	12.12	999.00	12.12	999.00	0.00	484.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 1509

SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type:

I-LEGL

Rating Live Load:

3-3

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G08

Rating Type: I-LEGL
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.7	47.7	161.4	-184.8	137.9 (2-Lane)
1.300	106.4	47.7	165.0	-188.5	141.6 (1-Lane)
1.400	64.7	32.1	96.8	-108.6	85.1 (2-Lane)
1.400	66.0	32.1	98.2	-109.9	86.4 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.7	32.1	96.8	-85.1	108.6 (2-Lane)
1.600	66.0	32.1	98.2	-86.4	109.9 (1-Lane)
1.700	102.7	47.7	161.4	-137.9	184.8 (2-Lane)
1.700	106.4	47.7	165.0	-141.6	188.5 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1511

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	255.94	2.34	0.00	93.5 (2-Lane)
1.048	293.75	2.68	0.00	107.3 (1-Lane)
1.100	96.79	2.94	0.00	117.6 (2-Lane)
1.100	111.08	3.37	0.00	135.0 (1-Lane)
1.200	29.35	2.98	0.00	119.0 (2-Lane)
1.200	33.69	3.41	0.00	136.6 (1-Lane)
1.300	14.11	3.08	0.00	123.2 (2-Lane)
1.300	16.52	3.63	0.00	145.2 (1-Lane)
1.400	5.60	2.44	0.00	97.4 (2-Lane)
1.400	6.50	2.84	0.00	113.6 (1-Lane)
1.500	3.32	3.32	0.00	132.9 (2-Lane)
1.500	3.81	3.81	0.00	152.6 (1-Lane)
1.600	2.44	5.60	0.00	97.4 (2-Lane)
1.600	2.84	6.50	0.00	113.6 (1-Lane)
1.700	3.08	14.11	0.00	123.2 (2-Lane)
1.700	3.63	16.52	0.00	145.2 (1-Lane)
1.800	2.98	29.35	0.00	119.0 (2-Lane)
1.800	3.41	33.69	0.00	136.6 (1-Lane)
1.900	3.18	97.53	0.00	127.2 (2-Lane)
1.900	3.65	111.93	0.00	146.0 (1-Lane)
1.948	2.49	235.15	0.00	99.8 (2-Lane)
1.948	2.86	269.89	0.00	114.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1512

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LG
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.00		1.00		LL		LL	
					0.80		0.80	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R	0.00	

9999999_20120831cy17_FlexuralRpt.txt						
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	155.76 R	117.11	116.46 R	87.57
1.200	468.8	63.5	257.12 R	193.32	192.25 R	144.55
1.300	615.3	83.3	322.11 R	242.19	240.85 R	181.09
1.400	703.2	95.2	338.34 R	254.39	252.99 R	190.22
1.500	732.5	99.2	358.78 R	269.76	268.27 R	201.71
1.600	703.2	95.2	338.34 R	254.39	252.99 R	190.22
1.700	615.3	83.3	322.11 R	242.19	240.85 R	181.09
1.800	468.8	63.5	257.12 R	193.32	192.25 R	144.55
1.900	263.7	35.7	155.76 R	117.11	116.46 R	87.57
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1512

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S
Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	45.46	999.00	13.72	999.00	0.00	548.6 (2-Lane)
1.100	60.80	999.00	18.34	999.00	0.00	733.7 (1-Lane)
1.200	25.01	999.00	7.45	999.00	0.00	297.9 (2-Lane)
1.200	33.45	999.00	9.96	999.00	0.00	398.4 (1-Lane)
1.300	19.08	999.00	5.64	999.00	0.00	225.8 (2-Lane)
1.300	25.52	999.00	7.55	999.00	0.00	302.0 (1-Lane)
1.400	17.32	999.00	5.11	999.00	0.00	204.6 (2-Lane)
1.400	23.17	999.00	6.84	999.00	0.00	273.6 (1-Lane)
1.500	15.94	999.00	4.71	999.00	0.00	188.3 (2-Lane)
1.500	21.33	999.00	6.30	999.00	0.00	251.8 (1-Lane)
1.600	17.32	999.00	5.11	999.00	0.00	204.6 (2-Lane)
1.600	23.17	999.00	6.84	999.00	0.00	273.6 (1-Lane)
1.700	19.08	999.00	5.64	999.00	0.00	225.8 (2-Lane)
1.700	25.52	999.00	7.55	999.00	0.00	302.0 (1-Lane)
1.800	25.01	999.00	7.45	999.00	0.00	297.9 (2-Lane)
1.800	33.45	999.00	9.96	999.00	0.00	398.4 (1-Lane)
1.900	44.87	999.00	13.43	999.00	0.00	537.3 (2-Lane)
1.900	60.01	999.00	17.97	999.00	0.00	718.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1514

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	339.76 R	255.46	254.05 R	191.01
1.200	468.8	63.5	593.12 R	445.96	443.50 R	333.46
1.300	615.3	83.3	760.09 R	571.49	568.34 R	427.33
1.400	703.2	95.2	866.58 R	651.56	647.97 R	487.20
1.500	732.5	99.2	891.18 R	670.06	666.37 R	501.03
1.600	703.2	95.2	866.58 R	651.56	647.97 R	487.20
1.700	615.3	83.3	760.09 R	571.49	568.34 R	427.33
1.800	468.8	63.5	593.12 R	445.96	443.50 R	333.46
1.900	263.7	35.7	339.76 R	255.46	254.05 R	191.01
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1515

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.48	999.00	9.48	999.00	0.00	255.9 (2-Lane)
1.100	12.68	999.00	12.68	999.00	0.00	342.2 (1-Lane)
1.200	5.16	999.00	5.16	999.00	0.00	139.4 (2-Lane)
1.200	6.90	999.00	6.90	999.00	0.00	186.4 (1-Lane)
1.300	3.97	999.00	3.97	999.00	0.00	107.1 (2-Lane)
1.300	5.30	999.00	5.30	999.00	0.00	143.2 (1-Lane)
1.400	3.41	999.00	3.41	999.00	0.00	92.0 (2-Lane)
1.400	4.56	999.00	4.56	999.00	0.00	123.1 (1-Lane)
1.500	3.28	999.00	3.28	999.00	0.00	88.5 (2-Lane)
1.500	4.38	999.00	4.38	999.00	0.00	118.4 (1-Lane)
1.600	3.41	999.00	3.41	999.00	0.00	92.0 (2-Lane)
1.600	4.56	999.00	4.56	999.00	0.00	123.1 (1-Lane)
1.700	3.97	999.00	3.97	999.00	0.00	107.1 (2-Lane)
1.700	5.30	999.00	5.30	999.00	0.00	143.2 (1-Lane)
1.800	5.16	999.00	5.16	999.00	0.00	139.4 (2-Lane)
1.800	6.90	999.00	6.90	999.00	0.00	186.4 (1-Lane)
1.900	9.34	999.00	9.34	999.00	0.00	252.3 (2-Lane)

1.900 12.50 999.00 12.50 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 337.4 (1-Lane)
1.948 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.948 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1517
SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL
1.60 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	71.15	53.50	61.99	46.61
1.100	48.4	5.6	66.70	50.15	58.11	43.69
1.200	31.0	4.2	58.22	43.77	50.73	38.14
1.300	20.6	2.8	49.74	37.40	43.34	32.58
1.400	10.3	1.4	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-10.3	-1.4	-41.26	-31.02	-35.95	-27.03
1.700	-20.6	-2.8	-49.74	-37.40	-43.34	-32.58
1.800	-31.0	-4.2	-58.22	-43.77	-50.73	-38.14
1.900	-41.3	-5.6	-66.70	-50.15	-58.11	-43.69
1.948	-46.2	-12.5	-70.76	-53.20	-61.65	-46.35
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1518
STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU4

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	106.1	47.7	164.8	-188.2	141.4 (2-Lane)
1.300	110.0	47.7	168.6	-192.1	145.2 (1-Lane)
1.400	67.5	32.1	99.6	-111.3	87.9 (2-Lane)
1.400	69.1	32.1	101.2	-112.9	89.5 (1-Lane)
1.500	39.9	50.6	90.6	-90.6	90.6 (2-Lane)
1.500	40.0	50.6	90.6	-90.6	90.6 (1-Lane)
1.600	67.5	32.1	99.6	-87.9	111.3 (2-Lane)
1.600	69.1	32.1	101.2	-89.5	112.9 (1-Lane)
1.700	106.1	47.7	164.8	-141.4	188.2 (2-Lane)
1.700	110.0	47.7	168.6	-145.2	192.1 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1519
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	237.12	2.47	0.00	66.6 (2-Lane)
1.048	272.15	2.83	0.00	76.5 (1-Lane)
1.100	89.67	3.03	0.00	81.9 (2-Lane)

1.100	102.92	3.48	0.00	94.0 (1-Lane)
1.200	25.08	2.90	0.00	78.4 (2-Lane)
1.200	28.78	3.33	0.00	89.9 (1-Lane)
1.300	11.66	2.84	0.00	76.7 (2-Lane)
1.300	13.66	3.35	0.00	90.5 (1-Lane)
1.400	4.58	2.13	0.00	57.5 (2-Lane)
1.400	5.34	2.49	0.00	67.2 (1-Lane)
1.500	2.76	2.76	0.00	74.6 (2-Lane)
1.500	3.17	3.17	0.00	85.7 (1-Lane)
1.600	2.13	4.58	0.00	57.5 (2-Lane)
1.600	2.49	5.34	0.00	67.2 (1-Lane)
1.700	2.84	11.66	0.00	76.7 (2-Lane)
1.700	3.35	13.66	0.00	90.5 (1-Lane)
1.800	2.90	25.08	0.00	78.4 (2-Lane)
1.800	3.33	28.78	0.00	89.9 (1-Lane)
1.900	3.28	90.36	0.00	88.6 (2-Lane)
1.900	3.77	103.70	0.00	101.7 (1-Lane)
1.948	2.63	217.86	0.00	71.0 (2-Lane)
1.948	3.02	250.05	0.00	81.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1520

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LG

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	169.88 R	127.73	127.02 R	95.51	166.73	123.66
1.200	468.8	63.5	296.56 R	222.98	221.75 R	166.73	213.66	243.60
1.300	615.3	83.3	380.04 R	285.75	284.17 R	250.51	243.60	250.51
1.400	703.2	95.2	433.29 R	325.78	323.99 R	243.60	213.66	243.60
1.500	732.5	99.2	445.59 R	335.03	333.18 R	243.60	213.66	243.60
1.600	703.2	95.2	433.29 R	325.78	323.99 R	243.60	213.66	243.60
1.700	615.3	83.3	380.04 R	285.75	284.17 R	243.60	213.66	243.60
1.800	468.8	63.5	296.56 R	222.98	221.75 R	243.60	213.66	243.60
1.900	263.7	35.7	169.88 R	127.73	127.02 R	243.60	213.66	243.60
1.948	137.6	0.0	0.00 R	0.00	0.00 R	243.60	213.66	243.60
2.000	0.0	0.0	0.00 R	0.00	0.00 R	243.60	213.66	243.60

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1520

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S
Rating Live Load: SU4

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	41.69	999.00	12.57	999.00	0.00	339.5 (2-Lane)
1.100	55.75	999.00	16.82	999.00	0.00	454.1 (1-Lane)
1.200	21.68	999.00	6.46	999.00	0.00	174.3 (2-Lane)
1.200	29.00	999.00	8.64	999.00	0.00	233.1 (1-Lane)
1.300	16.17	999.00	4.78	999.00	0.00	129.2 (2-Lane)
1.300	21.63	999.00	6.40	999.00	0.00	172.8 (1-Lane)
1.400	13.53	999.00	3.99	999.00	0.00	107.8 (2-Lane)
1.400	18.09	999.00	5.34	999.00	0.00	144.2 (1-Lane)
1.500	12.84	999.00	3.79	999.00	0.00	102.3 (2-Lane)
1.500	17.17	999.00	5.07	999.00	0.00	136.9 (1-Lane)
1.600	13.53	999.00	3.99	999.00	0.00	107.8 (2-Lane)
1.600	18.09	999.00	5.34	999.00	0.00	144.2 (1-Lane)
1.700	16.17	999.00	4.78	999.00	0.00	129.2 (2-Lane)
1.700	21.63	999.00	6.40	999.00	0.00	172.8 (1-Lane)
1.800	21.68	999.00	6.46	999.00	0.00	174.3 (2-Lane)
1.800	29.00	999.00	8.64	999.00	0.00	233.1 (1-Lane)
1.900	41.14	999.00	12.32	999.00	0.00	332.5 (2-Lane)
1.900	55.03	999.00	16.47	999.00	0.00	444.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.60			1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.048	103.8	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	35.7	377.07 R		283.51	281.95 R		211.99		
1.200	468.8	63.5	654.95 R		492.44	489.73 R		368.21		
1.300	615.3	83.3	842.64 R		633.56	630.07 R		473.74		
1.400	703.2	95.2	957.06 R		719.59	715.63 R		538.07		
1.500	732.5	99.2	972.29 R		731.04	727.01 R		546.62		
1.600	703.2	95.2	957.06 R		719.59	715.63 R		538.07		
1.700	615.3	83.3	842.64 R		633.56	630.07 R		473.74		
1.800	468.8	63.5	654.95 R		492.44	489.73 R		368.21		
1.900	263.7	35.7	377.07 R		283.51	281.95 R		211.99		
1.948	137.6	0.0	0.00 R		0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.54	999.00	8.54	999.00	0.00	264.7 (2-Lane)
1.100	11.42	999.00	11.42	999.00	0.00	354.1 (1-Lane)
1.200	4.67	999.00	4.67	999.00	0.00	144.9 (2-Lane)
1.200	6.25	999.00	6.25	999.00	0.00	193.8 (1-Lane)
1.300	3.58	999.00	3.58	999.00	0.00	110.9 (2-Lane)
1.300	4.78	999.00	4.78	999.00	0.00	148.3 (1-Lane)
1.400	3.09	999.00	3.09	999.00	0.00	95.7 (2-Lane)
1.400	4.13	999.00	4.13	999.00	0.00	128.0 (1-Lane)
1.500	3.00	999.00	3.00	999.00	0.00	93.1 (2-Lane)
1.500	4.02	999.00	4.02	999.00	0.00	124.6 (1-Lane)
1.600	3.09	999.00	3.09	999.00	0.00	95.7 (2-Lane)
1.600	4.13	999.00	4.13	999.00	0.00	128.0 (1-Lane)
1.700	3.58	999.00	3.58	999.00	0.00	110.9 (2-Lane)
1.700	4.78	999.00	4.78	999.00	0.00	148.3 (1-Lane)
1.800	4.67	999.00	4.67	999.00	0.00	144.9 (2-Lane)
1.800	6.25	999.00	6.25	999.00	0.00	193.8 (1-Lane)
1.900	8.42	999.00	8.42	999.00	0.00	261.0 (2-Lane)
1.900	11.26	999.00	11.26	999.00	0.00	349.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1525

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	79.13	59.50	68.95	51.84
1.100	48.4	5.6	74.03	55.66	64.50	48.49
1.200	31.0	4.2	64.29	48.34	56.01	42.11
1.300	20.6	2.8	54.55	41.02	47.53	35.74
1.400	10.3	1.4	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-10.3	-1.4	-44.81	-33.70	-39.05	-29.36
1.700	-20.6	-2.8	-54.55	-41.02	-47.53	-35.74
1.800	-31.0	-4.2	-64.29	-48.34	-56.01	-42.11
1.900	-41.3	-5.6	-74.03	-55.66	-64.50	-48.49
1.948	-46.2	-12.5	-78.68	-59.16	-68.55	-51.54
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU5

Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
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1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	106.8	47.7	165.4	-188.9	142.0 (2-Lane)
1.300	111.0	47.7	169.7	-193.1	146.3 (1-Lane)
1.400	68.0	32.1	100.1	-111.9	88.4 (2-Lane)
1.400	69.9	32.1	102.0	-113.8	90.3 (1-Lane)
1.500	40.5	50.6	91.2	-91.2	91.2 (2-Lane)
1.500	40.7	50.6	91.4	-91.4	91.4 (1-Lane)
1.600	68.0	32.1	100.1	-88.4	111.9 (2-Lane)
1.600	69.9	32.1	102.0	-90.3	113.8 (1-Lane)
1.700	106.8	47.7	165.4	-142.0	188.9 (2-Lane)
1.700	111.0	47.7	169.7	-146.3	193.1 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	237.12	2.22	0.00	68.8 (2-Lane)
1.048	272.15	2.55	0.00	78.9 (1-Lane)
1.100	89.67	2.73	0.00	84.7 (2-Lane)
1.100	102.92	3.14	0.00	97.2 (1-Lane)
1.200	25.08	2.63	0.00	81.5 (2-Lane)
1.200	28.78	3.02	0.00	93.5 (1-Lane)
1.300	10.95	2.60	0.00	80.7 (2-Lane)
1.300	12.85	3.08	0.00	95.4 (1-Lane)
1.400	4.41	1.97	0.00	61.2 (2-Lane)
1.400	5.15	2.31	0.00	71.7 (1-Lane)
1.500	2.60	2.60	0.00	80.6 (2-Lane)
1.500	2.99	2.99	0.00	92.7 (1-Lane)
1.600	1.97	4.41	0.00	61.2 (2-Lane)
1.600	2.31	5.15	0.00	71.7 (1-Lane)
1.700	2.60	10.95	0.00	80.7 (2-Lane)
1.700	3.08	12.85	0.00	95.4 (1-Lane)
1.800	2.63	25.08	0.00	81.5 (2-Lane)
1.800	3.02	28.78	0.00	93.5 (1-Lane)
1.900	2.96	90.36	0.00	91.6 (2-Lane)
1.900	3.39	103.70	0.00	105.2 (1-Lane)
1.948	2.36	217.86	0.00	73.3 (2-Lane)
1.948	2.71	250.05	0.00	84.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1528

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	188.54 R	141.76	140.97 R	106.00
1.200	468.8	63.5	327.47 R	246.22	244.86 R	184.11
1.300	615.3	83.3	421.32 R	316.78	315.04 R	236.87
1.400	703.2	95.2	478.53 R	359.80	357.81 R	269.03
1.500	732.5	99.2	486.14 R	365.52	363.51 R	273.31
1.600	703.2	95.2	478.53 R	359.80	357.81 R	269.03
1.700	615.3	83.3	421.32 R	316.78	315.04 R	236.87

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1.800	468.8	63.5	327.47 R	246.22	244.86 R	184.11
1.900	263.7	35.7	188.54 R	141.76	140.97 R	106.00
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1528

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S
Rating Live Load: SU5

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	37.56	999.00	11.33	999.00	0.00	351.3 (2-Lane)
1.100	50.23	999.00	15.15	999.00	0.00	469.8 (1-Lane)
1.200	19.64	999.00	5.85	999.00	0.00	181.3 (2-Lane)
1.200	26.26	999.00	7.82	999.00	0.00	242.4 (1-Lane)
1.300	14.59	999.00	4.32	999.00	0.00	133.8 (2-Lane)
1.300	19.51	999.00	5.77	999.00	0.00	178.9 (1-Lane)
1.400	12.25	999.00	3.62	999.00	0.00	112.1 (2-Lane)
1.400	16.38	999.00	4.84	999.00	0.00	149.9 (1-Lane)
1.500	11.77	999.00	3.47	999.00	0.00	107.7 (2-Lane)
1.500	15.74	999.00	4.65	999.00	0.00	144.0 (1-Lane)
1.600	12.25	999.00	3.62	999.00	0.00	112.1 (2-Lane)
1.600	16.38	999.00	4.84	999.00	0.00	149.9 (1-Lane)
1.700	14.59	999.00	4.32	999.00	0.00	133.8 (2-Lane)
1.700	19.51	999.00	5.77	999.00	0.00	178.9 (1-Lane)
1.800	19.64	999.00	5.85	999.00	0.00	181.3 (2-Lane)
1.800	26.26	999.00	7.82	999.00	0.00	242.4 (1-Lane)
1.900	37.07	999.00	11.10	999.00	0.00	344.0 (2-Lane)
1.900	49.58	999.00	14.84	999.00	0.00	460.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)
	1.25	1.25	LL		LL
			1.60		1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.048	103.8	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	35.7	397.96 R	299.22	297.57 R		223.74	
1.200	468.8	63.5	717.98 R	539.83	536.86 R		403.65	
1.300	615.3	83.3	932.71 R	701.29	697.42 R		524.38	
1.400	703.2	95.2	1052.03 R	791.00	786.64 R		591.46	
1.500	732.5	99.2	1083.54 R	814.69	810.20 R		609.17	
1.600	703.2	95.2	1052.03 R	791.00	786.64 R		591.46	
1.700	615.3	83.3	932.71 R	701.29	697.42 R		524.38	
1.800	468.8	63.5	717.98 R	539.83	536.86 R		403.65	
1.900	263.7	35.7	397.96 R	299.22	297.57 R		223.74	
1.948	137.6	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.09	999.00	8.09	999.00	0.00	281.2 (2-Lane)
1.100	10.82	999.00	10.82	999.00	0.00	376.0 (1-Lane)
1.200	4.26	999.00	4.26	999.00	0.00	148.2 (2-Lane)
1.200	5.70	999.00	5.70	999.00	0.00	198.2 (1-Lane)
1.300	3.23	999.00	3.23	999.00	0.00	112.3 (2-Lane)
1.300	4.32	999.00	4.32	999.00	0.00	150.2 (1-Lane)
1.400	2.81	999.00	2.81	999.00	0.00	97.6 (2-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	130.5 (1-Lane)
1.500	2.70	999.00	2.70	999.00	0.00	93.7 (2-Lane)
1.500	3.61	999.00	3.61	999.00	0.00	125.3 (1-Lane)
1.600	2.81	999.00	2.81	999.00	0.00	97.6 (2-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	130.5 (1-Lane)
1.700	3.23	999.00	3.23	999.00	0.00	112.3 (2-Lane)
1.700	4.32	999.00	4.32	999.00	0.00	150.2 (1-Lane)
1.800	4.26	999.00	4.26	999.00	0.00	148.2 (2-Lane)
1.800	5.70	999.00	5.70	999.00	0.00	198.2 (1-Lane)
1.900	7.98	999.00	7.98	999.00	0.00	277.2 (2-Lane)
1.900	10.67	999.00	10.67	999.00	0.00	370.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	83.85	63.05	73.06	54.93
1.100	48.4	5.6	78.13	58.74	68.07	51.18
1.200	31.0	4.2	67.21	50.54	58.56	44.03
1.300	20.6	2.8	56.30	42.33	49.05	36.88
1.400	10.3	1.4	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-10.3	-1.4	-45.38	-34.12	-39.54	-29.73
1.700	-20.6	-2.8	-56.30	-42.33	-49.05	-36.88
1.800	-31.0	-4.2	-67.21	-50.54	-58.56	-44.03
1.900	-41.3	-5.6	-78.13	-58.74	-68.07	-51.18
1.948	-46.2	-12.5	-83.35	-62.67	-72.62	-54.60
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	104.2	47.7	162.8	-186.3	139.4 (2-Lane)
1.300	108.8	47.7	167.5	-190.9	144.0 (1-Lane)
1.400	66.1	32.1	98.2	-109.9	86.5 (2-Lane)
1.400	68.2	32.1	100.3	-112.0	88.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	66.1	32.1	98.2	-86.5	109.9 (2-Lane)
1.600	68.2	32.1	100.3	-88.6	112.0 (1-Lane)
1.700	104.2	47.7	162.8	-139.4	186.3 (2-Lane)
1.700	108.8	47.7	167.5	-144.0	190.9 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	350.52	2.09	0.00	72.8 (2-Lane)
1.048	402.31	2.40	0.00	83.5 (1-Lane)
1.100	151.63	2.59	0.00	90.0 (2-Lane)
1.100	174.03	2.97	0.00	103.2 (1-Lane)
1.200	31.69	2.51	0.00	87.4 (2-Lane)
1.200	36.38	2.89	0.00	100.3 (1-Lane)
1.300	12.02	2.48	0.00	86.0 (2-Lane)
1.300	14.15	2.94	0.00	102.0 (1-Lane)

1.400	4.47	1.91	0.00	66.2 (2-Lane)
1.400	5.23	2.24	0.00	77.9 (1-Lane)
1.500	2.62	2.62	0.00	91.0 (2-Lane)
1.500	3.01	3.01	0.00	104.5 (1-Lane)
1.600	1.91	4.47	0.00	66.2 (2-Lane)
1.600	2.24	5.23	0.00	77.9 (1-Lane)
1.700	2.48	12.02	0.00	86.0 (2-Lane)
1.700	2.94	14.15	0.00	102.0 (1-Lane)
1.800	2.51	31.69	0.00	87.4 (2-Lane)
1.800	2.89	36.38	0.00	100.3 (1-Lane)
1.900	2.80	152.79	0.00	97.3 (2-Lane)
1.900	3.21	175.36	0.00	111.7 (1-Lane)
1.948	2.23	322.05	0.00	77.5 (2-Lane)
1.948	2.56	369.64	0.00	89.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LG
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	35.7	198.98 R	149.61	148.79 R	111.87	111.87	111.87
1.200	468.8	63.5	358.99 R	269.92	268.43 R	201.83	201.83	201.83
1.300	615.3	83.3	466.36 R	350.64	348.71 R	262.19	262.19	262.19
1.400	703.2	95.2	526.02 R	395.50	393.32 R	295.73	295.73	295.73
1.500	732.5	99.2	541.77 R	407.35	405.10 R	304.59	304.59	304.59
1.600	703.2	95.2	526.02 R	395.50	393.32 R	295.73	295.73	295.73
1.700	615.3	83.3	466.36 R	350.64	348.71 R	262.19	262.19	262.19
1.800	468.8	63.5	358.99 R	269.92	268.43 R	201.83	201.83	201.83
1.900	263.7	35.7	198.98 R	149.61	148.79 R	111.87	111.87	111.87
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	35.59	999.00	10.74	999.00	0.00	373.1 (2-Lane)
1.100	47.60	999.00	14.36	999.00	0.00	498.9 (1-Lane)
1.200	17.91	999.00	5.33	999.00	0.00	185.3 (2-Lane)
1.200	23.95	999.00	7.13	999.00	0.00	247.9 (1-Lane)
1.300	13.18	999.00	3.90	999.00	0.00	135.5 (2-Lane)
1.300	17.63	999.00	5.21	999.00	0.00	181.2 (1-Lane)
1.400	11.14	999.00	3.29	999.00	0.00	114.3 (2-Lane)
1.400	14.90	999.00	4.40	999.00	0.00	152.9 (1-Lane)
1.500	10.56	999.00	3.12	999.00	0.00	108.3 (2-Lane)
1.500	14.12	999.00	4.17	999.00	0.00	144.9 (1-Lane)
1.600	11.14	999.00	3.29	999.00	0.00	114.3 (2-Lane)
1.600	14.90	999.00	4.40	999.00	0.00	152.9 (1-Lane)
1.700	13.18	999.00	3.90	999.00	0.00	135.5 (2-Lane)
1.700	17.63	999.00	5.21	999.00	0.00	181.2 (1-Lane)
1.800	17.91	999.00	5.33	999.00	0.00	185.3 (2-Lane)
1.800	23.95	999.00	7.13	999.00	0.00	247.9 (1-Lane)
1.900	35.13	999.00	10.52	999.00	0.00	365.4 (2-Lane)
1.900	46.98	999.00	14.06	999.00	0.00	488.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	416.40 R	313.08	311.35 R	234.10
1.200	468.8	63.5	751.06 R	564.71	561.60 R	422.25
1.300	615.3	83.3	1003.99 R	754.88	750.72 R	564.45
1.400	703.2	95.2	1135.75 R	853.95	849.24 R	638.53
1.500	732.5	99.2	1175.91 R	884.14	879.27 R	661.11
1.600	703.2	95.2	1135.75 R	853.95	849.24 R	638.53
1.700	615.3	83.3	1004.00 R	754.88	750.72 R	564.45
1.800	468.8	63.5	751.06 R	564.71	561.60 R	422.25
1.900	263.7	35.7	416.40 R	313.08	311.35 R	234.10
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3220.2	3220.2	-254.1	-254.1
1.200	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.300	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.400	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.500	3752.6	3752.6	0.0	0.0	2920.9	2920.9	-831.7	-831.7
1.600	3752.6	3752.6	0.0	0.0	2954.2	2954.2	-798.4	-798.4
1.700	3712.8	3712.8	0.0	0.0	3014.2	3014.2	-698.6	-698.6
1.800	3593.5	3593.5	0.0	0.0	3061.3	3061.3	-532.3	-532.3
1.900	3474.2	3474.2	0.0	0.0	3174.8	3174.8	-299.4	-299.4
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08
 Rating Type: I-LEGL
 Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.73	999.00	7.73	999.00	0.00	299.7 (2-Lane)
1.100	10.34	999.00	10.34	999.00	0.00	400.8 (1-Lane)
1.200	4.08	999.00	4.08	999.00	0.00	157.9 (2-Lane)
1.200	5.45	999.00	5.45	999.00	0.00	211.2 (1-Lane)
1.300	3.00	999.00	3.00	999.00	0.00	116.3 (2-Lane)
1.300	4.01	999.00	4.01	999.00	0.00	155.6 (1-Lane)
1.400	2.60	999.00	2.60	999.00	0.00	100.8 (2-Lane)
1.400	3.48	999.00	3.48	999.00	0.00	134.8 (1-Lane)
1.500	2.48	999.00	2.48	999.00	0.00	96.3 (2-Lane)
1.500	3.32	999.00	3.32	999.00	0.00	128.7 (1-Lane)
1.600	2.60	999.00	2.60	999.00	0.00	100.8 (2-Lane)
1.600	3.48	999.00	3.48	999.00	0.00	134.8 (1-Lane)
1.700	3.00	999.00	3.00	999.00	0.00	116.3 (2-Lane)
1.700	4.01	999.00	4.01	999.00	0.00	155.6 (1-Lane)
1.800	4.08	999.00	4.08	999.00	0.00	157.9 (2-Lane)
1.800	5.45	999.00	5.45	999.00	0.00	211.2 (1-Lane)
1.900	7.62	999.00	7.62	999.00	0.00	295.5 (2-Lane)
1.900	10.20	999.00	10.20	999.00	0.00	395.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	6.3	88.13	66.26	76.79	57.73
1.100	48.4	5.6	81.75	61.46	71.22	53.55
1.200	31.0	4.2	69.57	52.31	60.62	45.58
1.300	20.6	2.8	57.40	43.16	50.01	37.60
1.400	10.3	1.4	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-10.3	-1.4	-45.23	-34.01	-39.41	-29.63
1.700	-20.6	-2.8	-57.40	-43.16	-50.01	-37.60
1.800	-31.0	-4.2	-69.57	-52.31	-60.62	-45.58
1.900	-41.3	-5.6	-81.75	-61.46	-71.22	-53.55
1.948	-46.2	-12.5	-87.57	-65.84	-76.30	-57.36
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (2-Lane)
1.048	85.8	141.3	238.3	-301.0	175.6 (1-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (2-Lane)
1.100	92.9	152.1	256.2	-310.2	202.2 (1-Lane)
1.200	109.9	83.1	204.1	-239.3	169.0 (2-Lane)

1.200	109.9	83.1	204.1	-239.3	169.0 (1-Lane)
1.300	102.0	47.7	160.7	-184.1	137.3 (2-Lane)
1.300	106.9	47.7	165.6	-189.0	142.1 (1-Lane)
1.400	64.1	32.1	96.2	-107.9	84.4 (2-Lane)
1.400	66.3	32.1	98.4	-110.2	86.7 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.1	32.1	96.2	-84.4	107.9 (2-Lane)
1.600	66.3	32.1	98.4	-86.7	110.2 (1-Lane)
1.700	102.0	47.7	160.7	-137.3	184.1 (2-Lane)
1.700	106.9	47.7	165.6	-142.1	189.0 (1-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (2-Lane)
1.800	109.9	83.1	204.1	-169.0	239.3 (1-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (2-Lane)
1.900	96.8	157.7	265.7	-218.8	312.5 (1-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (2-Lane)
1.948	88.4	145.1	244.7	-186.0	303.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: I-LEGL

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	350.52	1.99	0.00	77.2 (2-Lane)
1.048	402.31	2.29	0.00	88.6 (1-Lane)
1.100	171.73	2.47	0.00	95.9 (2-Lane)
1.100	197.11	2.84	0.00	110.0 (1-Lane)
1.200	41.84	2.43	0.00	94.1 (2-Lane)
1.200	48.02	2.79	0.00	108.0 (1-Lane)
1.300	13.64	2.39	0.00	92.7 (2-Lane)
1.300	16.07	2.84	0.00	110.1 (1-Lane)
1.400	4.65	1.87	0.00	72.3 (2-Lane)
1.400	5.45	2.20	0.00	85.3 (1-Lane)
1.500	2.69	2.69	0.00	104.2 (2-Lane)
1.500	3.09	3.09	0.00	119.6 (1-Lane)
1.600	1.87	4.65	0.00	72.3 (2-Lane)
1.600	2.20	5.45	0.00	85.3 (1-Lane)
1.700	2.39	13.64	0.00	92.7 (2-Lane)
1.700	2.84	16.07	0.00	110.1 (1-Lane)
1.800	2.43	41.84	0.00	94.1 (2-Lane)
1.800	2.79	48.02	0.00	108.0 (1-Lane)
1.900	2.68	173.05	0.00	103.7 (2-Lane)
1.900	3.07	198.62	0.00	119.0 (1-Lane)
1.948	2.12	322.05	0.00	82.3 (2-Lane)
1.948	2.44	369.64	0.00	94.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1544

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LG

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	35.7	208.20 R	156.54	155.68 R	117.05
1.200	468.8	63.5	375.53 R	282.35	280.80 R	211.13
1.300	615.3	83.3	502.00 R	377.44	375.36 R	282.23
1.400	703.2	95.2	567.88 R	426.97	424.62 R	319.26
1.500	732.5	99.2	587.96 R	442.07	439.63 R	330.55
1.600	703.2	95.2	567.88 R	426.97	424.62 R	319.26
1.700	615.3	83.3	502.00 R	377.44	375.36 R	282.23
1.800	468.8	63.5	375.53 R	282.35	280.80 R	211.13
1.900	263.7	35.7	208.20 R	156.54	155.68 R	117.05
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1544

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7

Span	Service Resistance		Available Resistance for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.9	-4.9	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.1	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G08

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	0.00	999.0 (1-Lane)
1.100	34.01	999.00	0.00	397.6 (2-Lane)
1.100	45.49	999.00	0.00	531.7 (1-Lane)
1.200	17.12	999.00	0.00	197.6 (2-Lane)
1.200	22.90	999.00	0.00	264.2 (1-Lane)
1.300	12.24	999.00	0.00	140.4 (2-Lane)
1.300	16.37	999.00	0.00	187.7 (1-Lane)
1.400	10.32	999.00	0.00	118.1 (2-Lane)
1.400	13.80	999.00	0.00	157.9 (1-Lane)
1.500	9.73	999.00	0.00	111.3 (2-Lane)
1.500	13.01	999.00	0.00	148.9 (1-Lane)
1.600	10.32	999.00	0.00	118.1 (2-Lane)
1.600	13.80	999.00	0.00	157.9 (1-Lane)
1.700	12.24	999.00	0.00	140.4 (2-Lane)
1.700	16.37	999.00	0.00	187.7 (1-Lane)
1.800	17.12	999.00	0.00	197.6 (2-Lane)
1.800	22.90	999.00	0.00	264.2 (1-Lane)
1.900	33.57	999.00	0.00	389.4 (2-Lane)
1.900	44.90	999.00	0.00	520.8 (1-Lane)
1.948	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1545

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 0.916

Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 0.916

LRFD LLDF Moment									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.554	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.569	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.547	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G09 01-EG009
 Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	18.929	1	2		0.0	0.0
1	2	18.928	2	0		0.0	0.0
1	3	18.929	2	1		0.0	0.0

Range Length -- Composite:			
Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)	
			Left	Right	Length	
1	W	0.000	186.5	186.5	56.786	0.0
1	Z	0.000	124.9	124.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1545

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Span	Sect. Height	Top Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Width	Void Area	Dy	Prestress Strands	
											Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33
1.048	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.64
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88
1.948	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.58
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1546

SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Span	Sect. Area	Neutral Axis		Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force		
		Top	Bott.					Fi	Total	Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5
1.048	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.63	743.6	157.3	586.3
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	158.7	584.9
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	161.7	581.9
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	167.1	576.5
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	167.4	576.2

9999999_20120831cy17_FlexuralRpt.txt										
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	166.2	577.3
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	167.4	576.2
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	167.1	576.5
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	161.7	581.9
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	158.2	585.3
1.948	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.70	743.6	157.2	586.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1547
 SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09

Span	Neutral Axis		Moment of Inertia		Section Modulus			
	Top	Bott.			+Bend (n=n)	+Bend (n=3n)		
			(n=n)	(n=3n)	Top	Bott.	Top	Bott.
1.000	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.048	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.100	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.200	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.300	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.400	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.500	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.600	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.700	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.800	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.900	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
1.948	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2
2.000	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6	8858.2

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1547
 SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement	
				Area	Dy
1.000	72.00	7.50	6.00	0.00	0.00
1.048	72.00	7.50	6.00	0.00	0.00
1.100	72.00	7.50	6.00	0.00	0.00
1.200	72.00	7.50	6.00	0.00	0.00
1.300	72.00	7.50	6.00	0.00	0.00
1.400	72.00	7.50	6.00	0.00	0.00
1.500	72.00	7.50	6.00	0.00	0.00
1.600	72.00	7.50	6.00	0.00	0.00
1.700	72.00	7.50	6.00	0.00	0.00
1.800	72.00	7.50	6.00	0.00	0.00
1.900	72.00	7.50	6.00	0.00	0.00
1.948	72.00	7.50	6.00	0.00	0.00
2.000	72.00	7.50	6.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1548
 MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09

Rating Type:		I-INV									
Rating Live Load:		HL93									
Gamma	DC	DW	(2-Lane)		LL	(1-Lane)		LL			
	1.25	1.25	1.75		1.75	1.75		1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
1.100	207.4	33.8	527.89 R	0.00	421.59	0.00	477.86 R	0.00	381.64	0.00	
1.200	409.0	60.1	917.21 R	0.00	733.50	0.00	830.28 R	0.00	663.99	0.00	
1.300	536.8	78.9	1167.94 R	0.00	935.73	0.00	1057.25 R	0.00	847.05	0.00	
1.400	613.5	90.2	1311.99 R	0.00	1052.27	0.00	1187.66 R	0.00	952.55	0.00	
1.500	639.0	94.0	1333.42 R	0.00	1071.13	0.00	1207.05 R	0.00	969.61	0.00	
1.600	613.5	90.2	1311.99 R	0.00	1052.27	0.00	1187.66 R	0.00	952.55	0.00	
1.700	536.8	78.9	1167.94 R	0.00	935.73	0.00	1057.25 R	0.00	847.05	0.00	
1.800	409.0	60.1	917.21 R	0.00	733.50	0.00	830.28 R	0.00	663.99	0.00	
1.900	230.0	33.8	527.89 R	0.00	421.59	0.00	477.86 R	0.00	381.64	0.00	
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1549
 STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09

Rating Type: I-INV
 Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1550

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	6.06	999.00	6.06	999.00	218.2 (2-Lane)
1.100	6.70	999.00	6.70	999.00	241.1 (1-Lane)
1.200	3.37	999.00	3.37	999.00	121.3 (2-Lane)
1.200	3.72	999.00	3.72	999.00	134.0 (1-Lane)
1.300	2.62	999.00	2.62	999.00	94.4 (2-Lane)
1.300	2.90	999.00	2.90	999.00	104.3 (1-Lane)
1.400	2.30	999.00	2.30	999.00	82.7 (2-Lane)
1.400	2.54	999.00	2.54	999.00	91.4 (1-Lane)
1.500	2.24	999.00	2.24	999.00	80.6 (2-Lane)
1.500	2.47	999.00	2.47	999.00	89.1 (1-Lane)
1.600	2.30	999.00	2.30	999.00	82.7 (2-Lane)
1.600	2.54	999.00	2.54	999.00	91.4 (1-Lane)
1.700	2.62	999.00	2.62	999.00	94.4 (2-Lane)
1.700	2.90	999.00	2.90	999.00	104.3 (1-Lane)
1.800	3.37	999.00	3.37	999.00	121.3 (2-Lane)
1.800	3.72	999.00	3.72	999.00	134.0 (1-Lane)
1.900	6.02	999.00	6.02	999.00	216.7 (2-Lane)
1.900	6.65	999.00	6.65	999.00	239.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1551

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: HL93

Span	Gamma		(2-Lane)		(1-Lane)	
	DC 1.25	DW 1.25	LL 1.75	LL 1.75	LL 1.75	LL 1.75
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	88.02	0.00	70.10	0.00
1.100	39.6	5.3	81.52	0.00	64.79	0.00
1.200	27.0	4.0	69.40	0.00	54.94	0.00
1.300	18.0	2.7	57.62	0.00	45.44	0.00
1.400	9.0	1.3	46.20	0.00	36.29	0.00
1.500	0.0	0.0	35.12	0.00	27.48	0.00
1.600	-9.0	-1.3	-46.20	0.00	-36.29	0.00
1.700	-18.0	-2.7	-57.62	0.00	-45.44	0.00
1.800	-27.0	-4.0	-69.40	0.00	-54.94	0.00
1.900	-36.0	-5.3	-81.52	0.00	-64.79	0.00
1.948	-40.3	-11.9	-87.44	0.00	-69.63	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1552

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	97.8	47.4	156.2	-176.9	135.5 (2-Lane)
1.300	104.6	47.4	163.0	-183.7	142.4 (1-Lane)
1.400	63.5	31.9	95.4	-105.7	85.1 (2-Lane)
1.400	67.8	31.9	99.7	-110.1	89.4 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	41.4	50.4	91.7	-91.7	91.7 (1-Lane)
1.600	63.5	31.9	95.4	-85.1	105.7 (2-Lane)
1.600	67.8	31.9	99.7	-89.4	110.1 (1-Lane)
1.700	97.8	47.4	156.2	-135.5	176.9 (2-Lane)
1.700	104.6	47.4	163.0	-142.4	183.7 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1553

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	153.25	2.14	0.00	76.9 (2-Lane)
1.048	147.32	2.05	0.00	73.9 (1-Lane)
1.100	73.54	2.62	0.00	94.3 (2-Lane)
1.100	70.70	2.52	0.00	90.7 (1-Lane)
1.200	20.62	2.43	0.00	87.5 (2-Lane)
1.200	19.83	2.34	0.00	84.1 (1-Lane)
1.300	9.60	2.35	0.00	84.7 (2-Lane)
1.300	9.59	2.38	0.00	85.5 (1-Lane)
1.400	4.07	1.84	0.00	66.3 (2-Lane)
1.400	4.07	1.86	0.00	67.0 (1-Lane)
1.500	2.56	2.56	0.00	92.1 (2-Lane)
1.500	2.51	2.51	0.00	90.4 (1-Lane)
1.600	1.84	4.07	0.00	66.3 (2-Lane)
1.600	1.86	4.07	0.00	67.0 (1-Lane)
1.700	2.35	9.60	0.00	84.7 (2-Lane)
1.700	2.38	9.59	0.00	85.5 (1-Lane)
1.800	2.43	20.62	0.00	87.5 (2-Lane)
1.800	2.34	19.83	0.00	84.1 (1-Lane)
1.900	2.72	70.77	0.00	97.8 (2-Lane)
1.900	2.61	68.04	0.00	94.0 (1-Lane)
1.948	2.22	137.29	0.00	79.8 (2-Lane)
1.948	2.13	131.98	0.00	76.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1554

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type:		III-IN									
Rating Live Load:		HL93									
Gamma		DC		DW		(2-Lane)		(1-Lane)			
		1.00		1.00		LL		LL			
						0.80		0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	165.9	27.1	241.32 R	0.00	192.73	0.00	218.45 R	0.00	174.46	0.00	0.00
1.200	327.2	48.1	419.29 R	0.00	335.32	0.00	379.56 R	0.00	303.54	0.00	0.00
1.300	429.4	63.1	533.91 R	0.00	427.76	0.00	483.31 R	0.00	387.22	0.00	0.00
1.400	490.8	72.2	599.77 R	0.00	481.04	0.00	542.93 R	0.00	435.45	0.00	0.00
1.500	511.2	75.2	609.57 R	0.00	489.66	0.00	551.80 R	0.00	443.25	0.00	0.00
1.600	490.8	72.2	599.77 R	0.00	481.04	0.00	542.93 R	0.00	435.45	0.00	0.00
1.700	429.4	63.1	533.91 R	0.00	427.76	0.00	483.31 R	0.00	387.22	0.00	0.00
1.800	327.2	48.1	419.29 R	0.00	335.32	0.00	379.56 R	0.00	303.54	0.00	0.00
1.900	184.0	27.1	241.32 R	0.00	192.73	0.00	218.45 R	0.00	174.46	0.00	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1554

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1555

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	26.53	999.00	8.78	999.00	0.00	316.1 (2-Lane)
1.100	29.31	999.00	9.70	999.00	0.00	349.2 (1-Lane)
1.200	14.14	999.00	4.65	999.00	0.00	167.6 (2-Lane)
1.200	15.61	999.00	5.14	999.00	0.00	185.1 (1-Lane)
1.300	10.72	999.00	3.52	999.00	0.00	126.6 (2-Lane)
1.300	11.84	999.00	3.88	999.00	0.00	139.8 (1-Lane)
1.400	9.16	999.00	3.01	999.00	0.00	108.2 (2-Lane)
1.400	10.12	999.00	3.32	999.00	0.00	119.6 (1-Lane)
1.500	8.82	999.00	2.90	999.00	0.00	104.3 (2-Lane)
1.500	9.75	999.00	3.20	999.00	0.00	115.3 (1-Lane)
1.600	9.16	999.00	3.01	999.00	0.00	108.2 (2-Lane)
1.600	10.12	999.00	3.32	999.00	0.00	119.6 (1-Lane)
1.700	10.72	999.00	3.52	999.00	0.00	126.6 (2-Lane)
1.700	11.84	999.00	3.88	999.00	0.00	139.8 (1-Lane)
1.800	14.14	999.00	4.65	999.00	0.00	167.6 (2-Lane)
1.800	15.61	999.00	5.14	999.00	0.00	185.1 (1-Lane)
1.900	26.35	999.00	8.69	999.00	0.00	312.8 (2-Lane)
1.900	29.11	999.00	9.60	999.00	0.00	345.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.948 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HS20

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	428.43 R	0.00	322.13	0.00	387.83 R	0.00	291.60	0.00
1.200	409.0	60.1	740.38 R	0.00	556.68	0.00	670.22 R	0.00	503.92	0.00
1.300	536.8	78.9	935.86 R	0.00	703.65	0.00	847.16 R	0.00	636.97	0.00
1.400	613.5	90.2	1046.76 R	0.00	787.04	0.00	947.56 R	0.00	712.45	0.00
1.500	639.0	94.0	1057.14 R	0.00	794.84	0.00	956.95 R	0.00	719.51	0.00
1.600	613.5	90.2	1046.76 R	0.00	787.04	0.00	947.56 R	0.00	712.45	0.00
1.700	536.8	78.9	935.86 R	0.00	703.65	0.00	847.16 R	0.00	636.97	0.00
1.800	409.0	60.1	740.38 R	0.00	556.68	0.00	670.22 R	0.00	503.92	0.00
1.900	230.0	33.8	428.43 R	0.00	322.13	0.00	387.83 R	0.00	291.60	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	7.47	999.00	7.47	999.00	149.39	268.9 (2-Lane)
1.100	8.25	999.00	8.25	999.00	165.03	297.0 (1-Lane)
1.200	4.18	999.00	4.18	999.00	83.51	150.3 (2-Lane)
1.200	4.61	999.00	4.61	999.00	92.25	166.0 (1-Lane)
1.300	3.27	999.00	3.27	999.00	65.48	117.9 (2-Lane)
1.300	3.62	999.00	3.62	999.00	72.33	130.2 (1-Lane)
1.400	2.88	999.00	2.88	999.00	57.62	103.7 (2-Lane)
1.400	3.18	999.00	3.18	999.00	63.65	114.6 (1-Lane)
1.500	2.83	999.00	2.83	999.00	56.50	101.7 (2-Lane)
1.500	3.12	999.00	3.12	999.00	62.41	112.3 (1-Lane)

1.600	2.88	999.00	2.88	999.00	57.62	103.7	(2-Lane)
1.600	3.18	999.00	3.18	999.00	63.65	114.6	(1-Lane)
1.700	3.27	999.00	3.27	999.00	65.48	117.9	(2-Lane)
1.700	3.62	999.00	3.62	999.00	72.33	130.2	(1-Lane)
1.800	4.18	999.00	4.18	999.00	83.51	150.3	(2-Lane)
1.800	4.61	999.00	4.61	999.00	92.25	166.0	(1-Lane)
1.900	7.42	999.00	7.42	999.00	148.33	267.0	(2-Lane)
1.900	8.19	999.00	8.19	999.00	163.86	294.9	(1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	72.24	0.00	54.32	0.00	75.15	0.00	56.50	0.00
1.100	39.6	5.3	67.43	0.00	50.70	0.00	70.15	0.00	52.74	0.00
1.200	27.0	4.0	58.27	0.00	43.81	0.00	60.61	0.00	45.57	0.00
1.300	18.0	2.7	49.10	0.00	36.92	0.00	51.07	0.00	38.40	0.00
1.400	9.0	1.3	39.93	0.00	30.03	0.00	41.54	0.00	31.23	0.00
1.500	0.0	0.0	30.77	0.00	23.13	0.00	32.00	0.00	24.06	0.00
1.600	-9.0	-1.3	-39.93	0.00	-30.03	0.00	-41.54	0.00	-31.23	0.00
1.700	-18.0	-2.7	-49.10	0.00	-36.92	0.00	-51.07	0.00	-38.40	0.00
1.800	-27.0	-4.0	-58.27	0.00	-43.81	0.00	-60.61	0.00	-45.57	0.00
1.900	-36.0	-5.3	-67.43	0.00	-50.70	0.00	-70.15	0.00	-52.74	0.00
1.948	-40.3	-11.9	-71.82	0.00	-54.00	0.00	-74.71	0.00	-56.17	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	99.5	47.4	157.9	-178.6	137.3 (2-Lane)
1.300	106.0	47.4	164.4	-185.0	143.7 (1-Lane)
1.400	64.5	31.9	96.4	-106.8	86.1 (2-Lane)
1.400	68.6	31.9	100.6	-110.9	90.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	41.5	50.4	91.9	-91.9	91.9 (1-Lane)
1.600	64.5	31.9	96.4	-86.1	106.8 (2-Lane)
1.600	68.6	31.9	100.6	-90.2	110.9 (1-Lane)
1.700	99.5	47.4	157.9	-137.3	178.6 (2-Lane)
1.700	106.0	47.4	164.4	-143.7	185.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	153.25	2.60	52.07	93.7 (2-Lane)
1.048	147.33	2.50	50.05	90.1 (1-Lane)
1.100	74.44	3.17	63.34	114.0 (2-Lane)
1.100	71.56	3.05	60.89	109.6 (1-Lane)
1.200	28.31	2.90	57.92	104.2 (2-Lane)
1.200	27.22	2.78	55.68	100.2 (1-Lane)
1.300	12.40	2.80	55.91	100.6 (2-Lane)
1.300	12.35	2.81	56.29	101.3 (1-Lane)
1.400	4.74	2.16	43.13	77.6 (2-Lane)
1.400	4.73	2.17	43.45	78.2 (1-Lane)
1.500	2.92	2.92	58.38	105.1 (2-Lane)
1.500	2.87	2.87	57.44	103.4 (1-Lane)
1.600	2.16	4.74	43.13	77.6 (2-Lane)
1.600	2.17	4.73	43.45	78.2 (1-Lane)
1.700	2.80	12.40	55.91	100.6 (2-Lane)
1.700	2.81	12.35	56.29	101.3 (1-Lane)
1.800	2.90	28.31	57.92	104.2 (2-Lane)
1.800	2.78	27.22	55.68	100.2 (1-Lane)
1.900	3.29	74.66	65.71	118.3 (2-Lane)
1.900	3.16	71.77	63.17	113.7 (1-Lane)
1.948	2.70	140.35	54.01	97.2 (2-Lane)
1.948	2.60	134.92	51.92	93.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1562

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	195.85 R	0.00	147.26	0.00	177.29 R	0.00	133.30	0.00
1.200	327.2	48.1	338.46 R	0.00	254.48	0.00	306.38 R	0.00	230.36	0.00
1.300	429.4	63.1	427.82 R	0.00	321.67	0.00	387.28 R	0.00	291.18	0.00
1.400	490.8	72.2	478.52 R	0.00	359.79	0.00	433.17 R	0.00	325.69	0.00
1.500	511.2	75.2	483.26 R	0.00	363.36	0.00	437.46 R	0.00	328.92	0.00
1.600	490.8	72.2	478.52 R	0.00	359.79	0.00	433.17 R	0.00	325.69	0.00
1.700	429.4	63.1	427.82 R	0.00	321.67	0.00	387.28 R	0.00	291.18	0.00
1.800	327.2	48.1	338.46 R	0.00	254.48	0.00	306.38 R	0.00	230.36	0.00
1.900	184.0	27.1	195.85 R	0.00	147.26	0.00	177.29 R	0.00	133.30	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1562

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	32.69	999.00	10.82	999.00	216.39	389.5	(2-Lane)
1.100	36.11	999.00	11.95	999.00	239.05	430.3	(1-Lane)
1.200	17.51	999.00	5.77	999.00	115.32	207.6	(2-Lane)
1.200	19.34	999.00	6.37	999.00	127.39	229.3	(1-Lane)
1.300	13.37	999.00	4.39	999.00	87.77	158.0	(2-Lane)
1.300	14.77	999.00	4.85	999.00	96.96	174.5	(1-Lane)
1.400	11.49	999.00	3.77	999.00	75.38	135.7	(2-Lane)
1.400	12.69	999.00	4.16	999.00	83.27	149.9	(1-Lane)
1.500	11.13	999.00	3.66	999.00	73.12	131.6	(2-Lane)
1.500	12.30	999.00	4.04	999.00	80.78	145.4	(1-Lane)
1.600	11.49	999.00	3.77	999.00	75.38	135.7	(2-Lane)
1.600	12.69	999.00	4.16	999.00	83.27	149.9	(1-Lane)
1.700	13.37	999.00	4.39	999.00	87.77	158.0	(2-Lane)
1.700	14.77	999.00	4.85	999.00	96.96	174.5	(1-Lane)
1.800	17.51	999.00	5.77	999.00	115.32	207.6	(2-Lane)
1.800	19.34	999.00	6.37	999.00	127.39	229.3	(1-Lane)
1.900	32.47	999.00	10.71	999.00	214.14	385.5	(2-Lane)
1.900	35.87	999.00	11.83	999.00	236.56	425.8	(1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)				(1-Lane)				
	1.25	1.25	LL		LL		LL		LL		
				1.75						1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	207.4	33.8	311.01 R	0.00	233.84	0.00	281.53 R	0.00	211.68	0.00	0.00
1.200	409.0	60.1	541.12 R	0.00	406.86	0.00	489.84 R	0.00	368.30	0.00	0.00
1.300	536.8	78.9	690.35 R	0.00	519.06	0.00	624.93 R	0.00	469.87	0.00	0.00
1.400	613.5	90.2	775.79 R	0.00	583.30	0.00	702.27 R	0.00	528.02	0.00	0.00
1.500	639.0	94.0	791.73 R	0.00	595.29	0.00	716.70 R	0.00	538.87	0.00	0.00
1.600	613.5	90.2	775.79 R	0.00	583.30	0.00	702.27 R	0.00	528.02	0.00	0.00
1.700	536.8	78.9	690.35 R	0.00	519.06	0.00	624.93 R	0.00	469.87	0.00	0.00
1.800	409.0	60.1	541.12 R	0.00	406.86	0.00	489.84 R	0.00	368.30	0.00	0.00
1.900	230.0	33.8	311.01 R	0.00	233.84	0.00	281.53 R	0.00	211.68	0.00	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-INV
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Positive Top	Resistance Negative Bott.	Available Positive Top	Resistance Negative Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6

9999999_20120831cy17_FlexuralRpt.txt									
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2	
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1	
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7	
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7	
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0	
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7	
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7	
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1	
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9	
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0	
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0	

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

I-INV

Rating Live Load:

3

Moment									
Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
1.048	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.048	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
1.100	10.29	999.00		10.29	999.00	0.00	257.2	(2-Lane)	
1.100	11.37	999.00		11.37	999.00	0.00	284.2	(1-Lane)	
1.200	5.71	999.00		5.71	999.00	0.00	142.8	(2-Lane)	
1.200	6.31	999.00		6.31	999.00	0.00	157.8	(1-Lane)	
1.300	4.44	999.00		4.44	999.00	0.00	111.0	(2-Lane)	
1.300	4.90	999.00		4.90	999.00	0.00	122.6	(1-Lane)	
1.400	3.89	999.00		3.89	999.00	0.00	97.2	(2-Lane)	
1.400	4.29	999.00		4.29	999.00	0.00	107.4	(1-Lane)	
1.500	3.77	999.00		3.77	999.00	0.00	94.3	(2-Lane)	
1.500	4.17	999.00		4.17	999.00	0.00	104.2	(1-Lane)	
1.600	3.89	999.00		3.89	999.00	0.00	97.2	(2-Lane)	
1.600	4.29	999.00		4.29	999.00	0.00	107.4	(1-Lane)	
1.700	4.44	999.00		4.44	999.00	0.00	111.0	(2-Lane)	
1.700	4.90	999.00		4.90	999.00	0.00	122.6	(1-Lane)	
1.800	5.71	999.00		5.71	999.00	0.00	142.8	(2-Lane)	
1.800	6.31	999.00		6.31	999.00	0.00	157.8	(1-Lane)	
1.900	10.22	999.00		10.22	999.00	0.00	255.4	(2-Lane)	
1.900	11.29	999.00		11.29	999.00	0.00	282.2	(1-Lane)	
1.948	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.948	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

I-INV

Rating Live Load:

3

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

REPORT

Member I. D. G09
 Rating Type: I-INV
 Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	97.2	47.4	155.7	-176.3	135.0 (2-Lane)
1.300	102.8	47.4	161.2	-181.8	140.5 (1-Lane)
1.400	62.1	31.9	94.1	-104.4	83.7 (2-Lane)
1.400	65.6	31.9	97.5	-107.9	87.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.1	31.9	94.1	-83.7	104.4 (2-Lane)
1.600	65.6	31.9	97.5	-87.2	107.9 (1-Lane)
1.700	97.2	47.4	155.7	-135.0	176.3 (2-Lane)
1.700	102.8	47.4	161.2	-140.5	181.8 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1569

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: I-INV
 Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	288.47	3.60	0.00	89.9 (2-Lane)
1.048	277.32	3.46	0.00	86.4 (1-Lane)
1.100	108.15	4.36	0.00	109.1 (2-Lane)
1.100	103.97	4.19	0.00	104.9 (1-Lane)
1.200	32.34	3.96	0.00	99.1 (2-Lane)
1.200	31.09	3.81	0.00	95.2 (1-Lane)
1.300	15.38	3.73	0.00	93.2 (2-Lane)
1.300	15.25	3.73	0.00	93.2 (1-Lane)
1.400	6.10	2.81	0.00	70.1 (2-Lane)
1.400	6.06	2.81	0.00	70.2 (1-Lane)
1.500	3.82	3.82	0.00	95.6 (2-Lane)
1.500	3.67	3.67	0.00	91.9 (1-Lane)
1.600	2.81	6.10	0.00	70.1 (2-Lane)
1.600	2.81	6.06	0.00	70.2 (1-Lane)
1.700	3.73	15.38	0.00	93.2 (2-Lane)
1.700	3.73	15.25	0.00	93.2 (1-Lane)
1.800	3.96	32.34	0.00	99.1 (2-Lane)
1.800	3.81	31.09	0.00	95.2 (1-Lane)
1.900	4.53	108.47	0.00	113.1 (2-Lane)
1.900	4.35	104.27	0.00	108.8 (1-Lane)
1.948	3.73	264.19	0.00	93.3 (2-Lane)
1.948	3.59	253.97	0.00	89.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1570

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: III-IN
 Rating Live Load: 3

Gamma	DC	DW	LL	
	1.00	1.00	0.80	(1-Lane)

Span Dead Load Superimposed Live Load w/impact Live Load w/o impact Live Load w/impact Live Load w/o impact
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9999999_20120831cy17_FlexuralRpt.txt									
	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	142.17 R	0.00	106.90	0.00	128.70 R	0.00	96.77
1.200	327.2	48.1	247.37 R	0.00	185.99	0.00	223.93 R	0.00	168.37
1.300	429.4	63.1	315.59 R	0.00	237.29	0.00	285.68 R	0.00	214.80
1.400	490.8	72.2	354.65 R	0.00	266.65	0.00	321.04 R	0.00	241.38
1.500	511.2	75.2	361.94 R	0.00	272.13	0.00	327.63 R	0.00	246.34
1.600	490.8	72.2	354.65 R	0.00	266.65	0.00	321.04 R	0.00	241.38
1.700	429.4	63.1	315.59 R	0.00	237.29	0.00	285.68 R	0.00	214.80
1.800	327.2	48.1	247.37 R	0.00	185.99	0.00	223.93 R	0.00	168.37
1.900	184.0	27.1	142.17 R	0.00	106.90	0.00	128.70 R	0.00	96.77
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1570

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1571

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV S
Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	45.03	999.00	14.90	999.00	0.00	372.6 (2-Lane)
1.100	49.75	999.00	16.47	999.00	0.00	411.6 (1-Lane)
1.200	23.96	999.00	7.89	999.00	0.00	197.2 (2-Lane)
1.200	26.47	999.00	8.72	999.00	0.00	217.9 (1-Lane)
1.300	18.13	999.00	5.95	999.00	0.00	148.7 (2-Lane)
1.300	20.03	999.00	6.57	999.00	0.00	164.3 (1-Lane)
1.400	15.50	999.00	5.09	999.00	0.00	127.1 (2-Lane)
1.400	17.12	999.00	5.62	999.00	0.00	140.4 (1-Lane)
1.500	14.86	999.00	4.88	999.00	0.00	122.0 (2-Lane)
1.500	16.42	999.00	5.39	999.00	0.00	134.8 (1-Lane)
1.600	15.50	999.00	5.09	999.00	0.00	127.1 (2-Lane)
1.600	17.12	999.00	5.62	999.00	0.00	140.4 (1-Lane)
1.700	18.13	999.00	5.95	999.00	0.00	148.7 (2-Lane)
1.700	20.03	999.00	6.57	999.00	0.00	164.3 (1-Lane)
1.800	23.96	999.00	7.89	999.00	0.00	197.2 (2-Lane)
1.800	26.47	999.00	8.72	999.00	0.00	217.9 (1-Lane)
1.900	44.72	999.00	14.75	999.00	0.00	368.7 (2-Lane)
1.900	49.41	999.00	16.29	999.00	0.00	407.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	367.02 R	0.00	275.95	0.00	332.23 R	0.00	249.80	0.00
1.200	409.0	60.1	604.61 R	0.00	454.60	0.00	547.31 R	0.00	411.51	0.00
1.300	536.8	78.9	791.42 R	0.00	595.05	0.00	716.42 R	0.00	538.66	0.00
1.400	613.5	90.2	876.15 R	0.00	658.76	0.00	793.12 R	0.00	596.33	0.00
1.500	639.0	94.0	859.96 R	0.00	646.58	0.00	778.46 R	0.00	585.31	0.00
1.600	613.5	90.2	876.15 R	0.00	658.76	0.00	793.12 R	0.00	596.33	0.00
1.700	536.8	78.9	791.42 R	0.00	595.05	0.00	716.42 R	0.00	538.66	0.00
1.800	409.0	60.1	604.61 R	0.00	454.60	0.00	547.31 R	0.00	411.51	0.00
1.900	230.0	33.8	367.02 R	0.00	275.95	0.00	332.23 R	0.00	249.80	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3S2

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.72	999.00	8.72	999.00	0.00	348.8 (2-Lane)
1.100	9.63	999.00	9.63	999.00	0.00	385.3 (1-Lane)
1.200	5.11	999.00	5.11	999.00	0.00	204.5 (2-Lane)
1.200	5.65	999.00	5.65	999.00	0.00	225.9 (1-Lane)
1.300	3.87	999.00	3.87	999.00	0.00	154.9 (2-Lane)
1.300	4.28	999.00	4.28	999.00	0.00	171.1 (1-Lane)
1.400	3.44	999.00	3.44	999.00	0.00	137.7 (2-Lane)
1.400	3.80	999.00	3.80	999.00	0.00	152.1 (1-Lane)
1.500	3.47	999.00	3.47	999.00	0.00	138.9 (2-Lane)
1.500	3.84	999.00	3.84	999.00	0.00	153.5 (1-Lane)
1.600	3.44	999.00	3.44	999.00	0.00	137.7 (2-Lane)
1.600	3.80	999.00	3.80	999.00	0.00	152.1 (1-Lane)
1.700	3.87	999.00	3.87	999.00	0.00	154.9 (2-Lane)
1.700	4.28	999.00	4.28	999.00	0.00	171.1 (1-Lane)
1.800	5.11	999.00	5.11	999.00	0.00	204.5 (2-Lane)

1.800	5.65	999.00	5.65	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00 225.9 (1-Lane)
1.900	8.66	999.00	8.66	999.00	0.00 346.3 (2-Lane)
1.900	9.56	999.00	9.56	999.00	0.00 382.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	63.11	0.00	47.45	0.00	65.65	0.00	49.36	0.00
1.100	39.6	5.3	57.77	0.00	43.43	0.00	60.09	0.00	45.18	0.00
1.200	27.0	4.0	47.58	0.00	35.78	0.00	49.50	0.00	37.21	0.00
1.300	18.0	2.7	37.73	0.00	28.37	0.00	39.25	0.00	29.51	0.00
1.400	9.0	1.3	29.31	0.00	22.03	0.00	30.48	0.00	22.92	0.00
1.500	0.0	0.0	21.03	0.00	15.81	0.00	21.88	0.00	16.45	0.00
1.600	-9.0	-1.3	-29.31	0.00	-22.03	0.00	-30.48	0.00	-22.92	0.00
1.700	-18.0	-2.7	-37.73	0.00	-28.37	0.00	-39.25	0.00	-29.51	0.00
1.800	-27.0	-4.0	-47.58	0.00	-35.78	0.00	-49.50	0.00	-37.21	0.00
1.900	-36.0	-5.3	-57.77	0.00	-43.43	0.00	-60.09	0.00	-45.18	0.00
1.948	-40.3	-11.9	-62.64	0.00	-47.10	0.00	-65.16	0.00	-48.99	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3S2

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	94.0	47.4	152.4	-173.0	131.7 (2-Lane)
1.300	99.5	47.4	157.9	-178.6	137.3 (1-Lane)
1.400	59.0	31.9	90.9	-101.2	80.6 (2-Lane)
1.400	62.3	31.9	94.2	-104.6	83.9 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.0	31.9	90.9	-80.6	101.2 (2-Lane)
1.600	62.3	31.9	94.2	-83.9	104.6 (1-Lane)
1.700	94.0	47.4	152.4	-131.7	173.0 (2-Lane)
1.700	99.5	47.4	157.9	-137.3	178.6 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	288.47	2.98	0.00	119.2 (2-Lane)

1.048	277.32	2.87	0.00	114.6 (1-Lane)
1.100	108.15	3.70	0.00	147.9 (2-Lane)
1.100	103.97	3.55	0.00	142.2 (1-Lane)
1.200	32.34	3.55	0.00	141.8 (2-Lane)
1.200	31.09	3.41	0.00	136.4 (1-Lane)
1.300	15.10	3.49	0.00	139.6 (2-Lane)
1.300	14.98	3.50	0.00	139.9 (1-Lane)
1.400	6.41	2.75	0.00	110.0 (2-Lane)
1.400	6.37	2.75	0.00	110.1 (1-Lane)
1.500	4.27	4.27	0.00	170.8 (2-Lane)
1.500	4.11	4.11	0.00	164.2 (1-Lane)
1.600	2.75	6.41	0.00	110.0 (2-Lane)
1.600	2.75	6.37	0.00	110.1 (1-Lane)
1.700	3.49	15.10	0.00	139.6 (2-Lane)
1.700	3.50	14.98	0.00	139.9 (1-Lane)
1.800	3.55	32.34	0.00	141.8 (2-Lane)
1.800	3.41	31.09	0.00	136.4 (1-Lane)
1.900	3.84	108.47	0.00	153.4 (2-Lane)
1.900	3.69	104.27	0.00	147.5 (1-Lane)
1.948	3.10	264.19	0.00	123.9 (2-Lane)
1.948	2.98	253.97	0.00	119.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1578

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	167.78 R	0.00	126.15	0.00	151.88 R	0.00	114.19	0.00
1.200	327.2	48.1	276.40 R	0.00	207.82	0.00	250.20 R	0.00	188.12	0.00
1.300	429.4	63.1	361.79 R	0.00	272.02	0.00	327.50 R	0.00	246.24	0.00
1.400	490.8	72.2	400.53 R	0.00	301.15	0.00	362.57 R	0.00	272.61	0.00
1.500	511.2	75.2	393.12 R	0.00	295.58	0.00	355.87 R	0.00	267.57	0.00
1.600	490.8	72.2	400.53 R	0.00	301.15	0.00	362.57 R	0.00	272.61	0.00
1.700	429.4	63.1	361.79 R	0.00	272.02	0.00	327.50 R	0.00	246.24	0.00
1.800	327.2	48.1	276.40 R	0.00	207.82	0.00	250.20 R	0.00	188.12	0.00
1.900	184.0	27.1	167.78 R	0.00	126.15	0.00	151.88 R	0.00	114.19	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1578

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV S
Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)	
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	38.16	999.00	12.63	999.00	0.00	505.2	(2-Lane)
1.100	42.16	999.00	13.95	999.00	0.00	558.1	(1-Lane)
1.200	21.44	999.00	7.06	999.00	0.00	282.4	(2-Lane)
1.200	23.69	999.00	7.80	999.00	0.00	312.0	(1-Lane)
1.300	15.81	999.00	5.19	999.00	0.00	207.6	(2-Lane)
1.300	17.47	999.00	5.73	999.00	0.00	229.3	(1-Lane)
1.400	13.72	999.00	4.50	999.00	0.00	180.1	(2-Lane)
1.400	15.16	999.00	4.97	999.00	0.00	199.0	(1-Lane)
1.500	13.69	999.00	4.49	999.00	0.00	179.8	(2-Lane)
1.500	15.12	999.00	4.97	999.00	0.00	198.6	(1-Lane)
1.600	13.72	999.00	4.50	999.00	0.00	180.1	(2-Lane)
1.600	15.16	999.00	4.97	999.00	0.00	199.0	(1-Lane)
1.700	15.81	999.00	5.19	999.00	0.00	207.6	(2-Lane)
1.700	17.47	999.00	5.73	999.00	0.00	229.3	(1-Lane)
1.800	21.44	999.00	7.06	999.00	0.00	282.4	(2-Lane)
1.800	23.69	999.00	7.80	999.00	0.00	312.0	(1-Lane)
1.900	37.90	999.00	12.50	999.00	0.00	499.9	(2-Lane)
1.900	41.87	999.00	13.81	999.00	0.00	552.3	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	314.98 R	0.00	236.83	0.00	285.13 R	0.00	214.39	0.00
1.200	409.0	60.1	519.96 R	0.00	390.95	0.00	470.68 R	0.00	353.90	0.00
1.300	536.8	78.9	651.40 R	0.00	489.77	0.00	589.66 R	0.00	443.36	0.00
1.400	613.5	90.2	684.22 R	0.00	514.45	0.00	619.38 R	0.00	465.70	0.00
1.500	639.0	94.0	725.55 R	0.00	545.53	0.00	656.79 R	0.00	493.83	0.00
1.600	613.5	90.2	684.22 R	0.00	514.45	0.00	619.38 R	0.00	465.70	0.00
1.700	536.8	78.9	651.40 R	0.00	489.77	0.00	589.66 R	0.00	443.36	0.00
1.800	409.0	60.1	519.96 R	0.00	390.95	0.00	470.68 R	0.00	353.90	0.00
1.900	230.0	33.8	314.98 R	0.00	236.83	0.00	285.13 R	0.00	214.39	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1581

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1

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1.900 3441.3 3441.3 0.0 0.0 3177.4 3177.4 -263.9 -263.9
1.948 3384.3 3384.3 0.0 0.0 3264.3 3264.3 -120.0 -120.0
2.000 3322.2 3322.2 0.0 0.0 3322.2 3322.2 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.16	999.00	10.16	999.00	0.00	406.4 (2-Lane)
1.100	11.22	999.00	11.22	999.00	0.00	448.9 (1-Lane)
1.200	5.95	999.00	5.95	999.00	0.00	237.8 (2-Lane)
1.200	6.57	999.00	6.57	999.00	0.00	262.7 (1-Lane)
1.300	4.70	999.00	4.70	999.00	0.00	188.1 (2-Lane)
1.300	5.20	999.00	5.20	999.00	0.00	207.8 (1-Lane)
1.400	4.41	999.00	4.41	999.00	0.00	176.3 (2-Lane)
1.400	4.87	999.00	4.87	999.00	0.00	194.8 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	164.6 (2-Lane)
1.500	4.55	999.00	4.55	999.00	0.00	181.9 (1-Lane)
1.600	4.41	999.00	4.41	999.00	0.00	176.3 (2-Lane)
1.600	4.87	999.00	4.87	999.00	0.00	194.8 (1-Lane)
1.700	4.70	999.00	4.70	999.00	0.00	188.1 (2-Lane)
1.700	5.20	999.00	5.20	999.00	0.00	207.8 (1-Lane)
1.800	5.95	999.00	5.95	999.00	0.00	237.8 (2-Lane)
1.800	6.57	999.00	6.57	999.00	0.00	262.7 (1-Lane)
1.900	10.09	999.00	10.09	999.00	0.00	403.5 (2-Lane)
1.900	11.14	999.00	11.14	999.00	0.00	445.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	54.14	0.00	40.71	0.00	56.32	0.00
1.100	39.6	5.3	49.58	0.00	37.28	0.00	51.57	0.00
1.200	27.0	4.0	40.92	0.00	30.77	0.00	42.57	0.00
1.300	18.0	2.7	32.26	0.00	24.26	0.00	33.56	0.00
1.400	9.0	1.3	25.18	0.00	18.93	0.00	26.19	0.00
1.500	0.0	0.0	19.58	0.00	14.72	0.00	20.37	0.00
1.600	-9.0	-1.3	-25.18	0.00	-18.93	0.00	-26.19	0.00
1.700	-18.0	-2.7	-32.26	0.00	-24.26	0.00	-33.56	0.00
1.800	-27.0	-4.0	-40.92	0.00	-30.77	0.00	-42.57	0.00
1.900	-36.0	-5.3	-49.58	0.00	-37.28	0.00	-51.57	0.00
1.948	-40.3	-11.9	-53.72	0.00	-40.39	0.00	-55.88	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	94.4	47.4	152.8	-173.5	132.2 (2-Lane)
1.300	99.5	47.4	157.9	-178.6	137.3 (1-Lane)
1.400	59.7	31.9	91.7	-102.0	81.3 (2-Lane)
1.400	62.8	31.9	94.7	-105.1	84.4 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.7	31.9	91.7	-81.3	102.0 (2-Lane)
1.600	62.8	31.9	94.7	-84.4	105.1 (1-Lane)
1.700	94.4	47.4	152.8	-132.2	173.5 (2-Lane)
1.700	99.5	47.4	157.9	-137.3	178.6 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	350.29	3.47	0.00	138.9 (2-Lane)
1.048	336.74	3.34	0.00	133.6 (1-Lane)
1.100	131.33	4.31	0.00	172.3 (2-Lane)
1.100	126.25	4.14	0.00	165.6 (1-Lane)
1.200	39.27	4.12	0.00	164.9 (2-Lane)
1.200	37.75	3.96	0.00	158.6 (1-Lane)
1.300	18.38	4.10	0.00	163.9 (2-Lane)
1.300	18.19	4.09	0.00	163.6 (1-Lane)
1.400	7.30	3.23	0.00	129.2 (2-Lane)
1.400	7.23	3.22	0.00	128.9 (1-Lane)
1.500	4.59	4.59	0.00	183.5 (2-Lane)
1.500	4.41	4.41	0.00	176.4 (1-Lane)
1.600	3.23	7.30	0.00	129.2 (2-Lane)
1.600	3.22	7.23	0.00	128.9 (1-Lane)
1.700	4.10	18.38	0.00	163.9 (2-Lane)
1.700	4.09	18.19	0.00	163.6 (1-Lane)
1.800	4.12	39.27	0.00	164.9 (2-Lane)
1.800	3.96	37.75	0.00	158.6 (1-Lane)
1.900	4.47	131.71	0.00	178.7 (2-Lane)
1.900	4.30	126.62	0.00	171.8 (1-Lane)
1.948	3.61	320.80	0.00	144.4 (2-Lane)
1.948	3.47	308.39	0.00	138.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	1.00	DW	1.00	LL	0.80	LL	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	143.99 R	0.00	108.27	0.00	130.35 R	0.00	98.00	0.00
1.200	327.2	48.1	237.70 R	0.00	178.72	0.00	215.17 R	0.00	161.78	0.00
1.300	429.4	63.1	297.78 R	0.00	223.90	0.00	269.56 R	0.00	202.68	0.00
1.400	490.8	72.2	312.79 R	0.00	235.18	0.00	283.14 R	0.00	212.89	0.00

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1.500	511.2	75.2	331.68 R	0.00	249.38	0.00	300.25 R	0.00	225.75
1.600	490.8	72.2	312.79 R	0.00	235.18	0.00	283.14 R	0.00	212.89
1.700	429.4	63.1	297.78 R	0.00	223.90	0.00	269.56 R	0.00	202.68
1.800	327.2	48.1	237.70 R	0.00	178.72	0.00	215.17 R	0.00	161.78
1.900	184.0	27.1	143.99 R	0.00	108.27	0.00	130.35 R	0.00	98.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G09									
Rating Type: III-INV									
Rating Live Load: STRESSES									
Rating Type: 3-3									
Rating Live Load:									
Span									
Service Resistance					Available Resistance for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.	
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6	
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8	
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1	
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6	
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9	
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1	
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2	
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1	
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9	
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6	
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1	
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8	
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6	

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G09									
Rating Type: III-INV S									
Rating Live Load: 3-3									
Service									
Span	Rating		Factor	Rating		Load			
	top	bottom		top	bottom		Resistance		
	+bend	-bend		+bend	-bend	Value	(tons)		
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.048	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.048	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	44.47	999.00	14.72	999.00	999.00	0.00	588.7	(2-Lane)	
1.100	49.12	999.00	16.26	999.00	999.00	0.00	650.3	(1-Lane)	
1.200	24.93	999.00	8.21	999.00	999.00	0.00	328.4	(2-Lane)	
1.200	27.54	999.00	9.07	999.00	999.00	0.00	362.8	(1-Lane)	
1.300	19.21	999.00	6.30	999.00	999.00	0.00	252.2	(2-Lane)	
1.300	21.23	999.00	6.97	999.00	999.00	0.00	278.6	(1-Lane)	
1.400	17.57	999.00	5.77	999.00	999.00	0.00	230.6	(2-Lane)	
1.400	19.41	999.00	6.37	999.00	999.00	0.00	254.8	(1-Lane)	
1.500	16.22	999.00	5.33	999.00	999.00	0.00	213.1	(2-Lane)	
1.500	17.92	999.00	5.89	999.00	999.00	0.00	235.4	(1-Lane)	
1.600	17.57	999.00	5.77	999.00	999.00	0.00	230.6	(2-Lane)	
1.600	19.41	999.00	6.37	999.00	999.00	0.00	254.8	(1-Lane)	
1.700	19.21	999.00	6.30	999.00	999.00	0.00	252.2	(2-Lane)	
1.700	21.23	999.00	6.97	999.00	999.00	0.00	278.6	(1-Lane)	
1.800	24.93	999.00	8.21	999.00	999.00	0.00	328.4	(2-Lane)	
1.800	27.54	999.00	9.07	999.00	999.00	0.00	362.8	(1-Lane)	
1.900	44.16	999.00	14.56	999.00	999.00	0.00	582.5	(2-Lane)	
1.900	48.78	999.00	16.09	999.00	999.00	0.00	643.5	(1-Lane)	
1.948	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.948	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type:		I-INV									
Rating Live Load:		SU4									
Gamma		DC		DW		(2-Lane)		(1-Lane)			
		1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	207.4	33.8	343.54 R	0.00	258.30	0.00	310.99 R	0.00	233.82	0.00	0.00
1.200	409.0	60.1	599.73 R	0.00	450.92	0.00	542.89 R	0.00	408.19	0.00	0.00
1.300	536.8	78.9	768.56 R	0.00	577.86	0.00	695.72 R	0.00	523.10	0.00	0.00
1.400	613.5	90.2	876.23 R	0.00	658.82	0.00	793.19 R	0.00	596.38	0.00	0.00
1.500	639.0	94.0	901.11 R	0.00	677.53	0.00	815.71 R	0.00	613.32	0.00	0.00
1.600	613.5	90.2	876.23 R	0.00	658.82	0.00	793.19 R	0.00	596.38	0.00	0.00
1.700	536.8	78.9	768.56 R	0.00	577.86	0.00	695.72 R	0.00	523.10	0.00	0.00
1.800	409.0	60.1	599.73 R	0.00	450.92	0.00	542.89 R	0.00	408.19	0.00	0.00
1.900	230.0	33.8	343.54 R	0.00	258.30	0.00	310.99 R	0.00	233.82	0.00	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.31	999.00	9.31	999.00	0.00	251.5 (2-Lane)
1.100	10.29	999.00	10.29	999.00	0.00	277.8 (1-Lane)
1.200	5.16	999.00	5.16	999.00	0.00	139.2 (2-Lane)
1.200	5.69	999.00	5.69	999.00	0.00	153.7 (1-Lane)
1.300	3.99	999.00	3.99	999.00	0.00	107.6 (2-Lane)
1.300	4.40	999.00	4.40	999.00	0.00	118.9 (1-Lane)
1.400	3.44	999.00	3.44	999.00	0.00	92.9 (2-Lane)
1.400	3.80	999.00	3.80	999.00	0.00	102.7 (1-Lane)
1.500	3.31	999.00	3.31	999.00	0.00	89.5 (2-Lane)
1.500	3.66	999.00	3.66	999.00	0.00	98.8 (1-Lane)
1.600	3.44	999.00	3.44	999.00	0.00	92.9 (2-Lane)
1.600	3.80	999.00	3.80	999.00	0.00	102.7 (1-Lane)
1.700	3.99	999.00	3.99	999.00	0.00	107.6 (2-Lane)
1.700	4.40	999.00	4.40	999.00	0.00	118.9 (1-Lane)
1.800	5.16	999.00	5.16	999.00	0.00	139.2 (2-Lane)
1.800	5.69	999.00	5.69	999.00	0.00	153.7 (1-Lane)
1.900	9.25	999.00	9.25	999.00	0.00	249.7 (2-Lane)
1.900	10.22	999.00	10.22	999.00	0.00	275.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU4

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	57.68	0.00	43.37	0.00	60.00	0.00	45.11	0.00
1.100	39.6	5.3	54.07	0.00	40.66	0.00	56.25	0.00	42.29	0.00
1.200	27.0	4.0	47.20	0.00	35.49	0.00	49.10	0.00	36.91	0.00
1.300	18.0	2.7	40.32	0.00	30.32	0.00	41.94	0.00	31.54	0.00
1.400	9.0	1.3	33.45	0.00	25.15	0.00	34.79	0.00	26.16	0.00
1.500	0.0	0.0	26.57	0.00	19.98	0.00	27.64	0.00	20.78	0.00
1.600	-9.0	-1.3	-33.45	0.00	-25.15	0.00	-34.79	0.00	-26.16	0.00
1.700	-18.0	-2.7	-40.32	0.00	-30.32	0.00	-41.94	0.00	-31.54	0.00
1.800	-27.0	-4.0	-47.20	0.00	-35.49	0.00	-49.10	0.00	-36.91	0.00
1.900	-36.0	-5.3	-54.07	0.00	-40.66	0.00	-56.25	0.00	-42.29	0.00
1.948	-40.3	-11.9	-57.36	0.00	-43.13	0.00	-59.67	0.00	-44.86	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1592

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU4

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	98.0	47.4	156.5	-177.1	135.8 (2-Lane)
1.300	103.9	47.4	162.3	-183.0	141.7 (1-Lane)
1.400	63.0	31.9	94.9	-105.2	84.6 (2-Lane)
1.400	66.7	31.9	98.6	-109.0	88.3 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.9	50.4	90.3	-90.3	90.3 (1-Lane)
1.600	63.0	31.9	94.9	-84.6	105.2 (2-Lane)
1.600	66.7	31.9	98.6	-88.3	109.0 (1-Lane)
1.700	98.0	47.4	156.5	-135.8	177.1 (2-Lane)
1.700	103.9	47.4	162.3	-141.7	183.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	288.47	3.26	0.00	88.0 (2-Lane)
1.048	277.32	3.13	0.00	84.6 (1-Lane)
1.100	108.15	3.95	0.00	106.6 (2-Lane)
1.100	103.97	3.80	0.00	102.5 (1-Lane)
1.200	29.82	3.58	0.00	96.5 (2-Lane)
1.200	28.67	3.44	0.00	92.8 (1-Lane)

1.300	13.54	3.37	0.00	90.9 (2-Lane)
1.300	13.45	3.38	0.00	91.2 (1-Lane)
1.400	5.34	2.53	0.00	68.3 (2-Lane)
1.400	5.32	2.54	0.00	68.5 (1-Lane)
1.500	3.38	3.38	0.00	91.2 (2-Lane)
1.500	3.27	3.27	0.00	88.2 (1-Lane)
1.600	2.53	5.34	0.00	68.3 (2-Lane)
1.600	2.54	5.32	0.00	68.5 (1-Lane)
1.700	3.37	13.54	0.00	90.9 (2-Lane)
1.700	3.38	13.45	0.00	91.2 (1-Lane)
1.800	3.58	29.82	0.00	96.5 (2-Lane)
1.800	3.44	28.67	0.00	92.8 (1-Lane)
1.900	4.10	108.47	0.00	110.6 (2-Lane)
1.900	3.94	104.27	0.00	106.3 (1-Lane)
1.948	3.38	264.19	0.00	91.3 (2-Lane)
1.948	3.25	253.97	0.00	87.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1594

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	165.9	27.1	157.05 R	0.00	118.08	0.00	142.16 R	0.00
1.200	327.2	48.1	274.16 R	0.00	206.14	0.00	248.18 R	0.00
1.300	429.4	63.1	351.34 R	0.00	264.17	0.00	318.04 R	0.00
1.400	490.8	72.2	400.56 R	0.00	301.18	0.00	362.60 R	0.00
1.500	511.2	75.2	411.94 R	0.00	309.73	0.00	372.90 R	0.00
1.600	490.8	72.2	400.56 R	0.00	301.18	0.00	362.60 R	0.00
1.700	429.4	63.1	351.34 R	0.00	264.17	0.00	318.04 R	0.00
1.800	327.2	48.1	274.16 R	0.00	206.14	0.00	248.18 R	0.00
1.900	184.0	27.1	157.05 R	0.00	118.08	0.00	142.16 R	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1594

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU4

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
------	---	---	--	--

1.000	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6
1.100	3.0	2.7	-3.0	-2.7
1.200	3.1	2.9	-3.1	-2.9
1.300	3.3	3.0	-3.3	-3.0
1.400	3.4	3.0	-3.4	-3.0
1.500	3.4	3.0	-3.4	-3.0
1.600	3.4	3.0	-3.4	-3.0
1.700	3.3	3.0	-3.3	-3.0
1.800	3.1	2.9	-3.1	-2.9
1.900	3.0	2.7	-3.0	-2.7
1.948	2.9	2.7	-2.9	-2.7
2.000	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV S
Rating Live Load: SU4

Service

9999999_20120831cy17_FlexuralRpt.txt						
Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	40.77	999.00	13.49	999.00	0.00	364.3 (2-Lane)
1.100	45.04	999.00	14.91	999.00	0.00	402.5 (1-Lane)
1.200	21.62	999.00	7.12	999.00	0.00	192.2 (2-Lane)
1.200	23.88	999.00	7.86	999.00	0.00	212.3 (1-Lane)
1.300	16.28	999.00	5.34	999.00	0.00	144.3 (2-Lane)
1.300	17.99	999.00	5.90	999.00	0.00	159.4 (1-Lane)
1.400	13.72	999.00	4.50	999.00	0.00	121.6 (2-Lane)
1.400	15.16	999.00	4.97	999.00	0.00	134.3 (1-Lane)
1.500	13.06	999.00	4.29	999.00	0.00	115.8 (2-Lane)
1.500	14.43	999.00	4.74	999.00	0.00	127.9 (1-Lane)
1.600	13.72	999.00	4.50	999.00	0.00	121.6 (2-Lane)
1.600	15.16	999.00	4.97	999.00	0.00	134.3 (1-Lane)
1.700	16.28	999.00	5.34	999.00	0.00	144.3 (2-Lane)
1.700	17.99	999.00	5.90	999.00	0.00	159.4 (1-Lane)
1.800	21.62	999.00	7.12	999.00	0.00	192.2 (2-Lane)
1.800	23.88	999.00	7.86	999.00	0.00	212.3 (1-Lane)
1.900	40.49	999.00	13.35	999.00	0.00	360.5 (2-Lane)
1.900	44.73	999.00	14.75	999.00	0.00	398.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1596

MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G09								
Rating Type:		I-INV								
Rating Live Load:		SU5								
Gamma	DC	DW	(2-Lane)			(1-Lane)				
	1.25	1.25	LL				LL			
			1.75				1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	381.27 R	0.00	286.67	0.00	345.14 R	0.00	259.50	0.00
1.200	409.0	60.1	662.24 R	0.00	497.93	0.00	599.48 R	0.00	450.74	0.00
1.300	536.8	78.9	852.03 R	0.00	640.62	0.00	771.28 R	0.00	579.91	0.00
1.400	613.5	90.2	967.72 R	0.00	727.61	0.00	876.01 R	0.00	658.65	0.00
1.500	639.0	94.0	983.12 R	0.00	739.19	0.00	889.95 R	0.00	669.13	0.00
1.600	613.5	90.2	967.72 R	0.00	727.61	0.00	876.01 R	0.00	658.65	0.00
1.700	536.8	78.9	852.03 R	0.00	640.62	0.00	771.28 R	0.00	579.91	0.00
1.800	409.0	60.1	662.24 R	0.00	497.93	0.00	599.48 R	0.00	450.74	0.00
1.900	230.0	33.8	381.27 R	0.00	286.67	0.00	345.14 R	0.00	259.50	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1597

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G09								
Rating Type:		I-INV								
Rating Live Load:		SU5								
Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.	Top	Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0		
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6		
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2		
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1		
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7		
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7		
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0		
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7		
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7		
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1		
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9		
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0		
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0		

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.39	999.00	8.39	999.00	0.00	260.2 (2-Lane)
1.100	9.27	999.00	9.27	999.00	0.00	287.4 (1-Lane)
1.200	4.67	999.00	4.67	999.00	0.00	144.7 (2-Lane)
1.200	5.16	999.00	5.16	999.00	0.00	159.9 (1-Lane)
1.300	3.60	999.00	3.60	999.00	0.00	111.5 (2-Lane)
1.300	3.97	999.00	3.97	999.00	0.00	123.1 (1-Lane)
1.400	3.12	999.00	3.12	999.00	0.00	96.6 (2-Lane)
1.400	3.44	999.00	3.44	999.00	0.00	106.7 (1-Lane)
1.500	3.04	999.00	3.04	999.00	0.00	94.2 (2-Lane)
1.500	3.36	999.00	3.36	999.00	0.00	104.0 (1-Lane)
1.600	3.12	999.00	3.12	999.00	0.00	96.6 (2-Lane)
1.600	3.44	999.00	3.44	999.00	0.00	106.7 (1-Lane)
1.700	3.60	999.00	3.60	999.00	0.00	111.5 (2-Lane)
1.700	3.97	999.00	3.97	999.00	0.00	123.1 (1-Lane)
1.800	4.67	999.00	4.67	999.00	0.00	144.7 (2-Lane)
1.800	5.16	999.00	5.16	999.00	0.00	159.9 (1-Lane)
1.900	8.33	999.00	8.33	999.00	0.00	258.3 (2-Lane)
1.900	9.21	999.00	9.21	999.00	0.00	285.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	64.15	0.00	48.23	0.00
1.100	39.6	5.3	60.01	0.00	45.12	0.00
1.200	27.0	4.0	52.12	0.00	39.19	0.00
1.300	18.0	2.7	44.22	0.00	33.25	0.00
1.400	9.0	1.3	36.33	0.00	27.32	0.00
1.500	0.0	0.0	28.44	0.00	21.38	0.00
1.600	-9.0	-1.3	-36.33	0.00	-27.32	0.00
1.700	-18.0	-2.7	-44.22	0.00	-33.25	0.00
1.800	-27.0	-4.0	-52.12	0.00	-39.19	0.00
1.900	-36.0	-5.3	-60.01	0.00	-45.12	0.00
1.948	-40.3	-11.9	-63.79	0.00	-47.96	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)

1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	98.3	47.4	156.7	-177.4	136.0 (2-Lane)
1.300	104.4	47.4	162.8	-183.5	142.2 (1-Lane)
1.400	63.3	31.9	95.2	-105.5	84.9 (2-Lane)
1.400	67.2	31.9	99.1	-109.4	88.8 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	40.5	50.4	90.8	-90.8	90.8 (1-Lane)
1.600	63.3	31.9	95.2	-84.9	105.6 (2-Lane)
1.600	67.2	31.9	99.1	-88.8	109.4 (1-Lane)
1.700	98.3	47.4	156.7	-136.0	177.4 (2-Lane)
1.700	104.4	47.4	162.8	-142.2	183.5 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	288.47	2.93	0.00	90.9 (2-Lane)
1.048	277.32	2.82	0.00	87.4 (1-Lane)
1.100	108.15	3.56	0.00	110.3 (2-Lane)
1.100	103.97	3.42	0.00	106.1 (1-Lane)
1.200	29.82	3.24	0.00	100.4 (2-Lane)
1.200	28.67	3.11	0.00	96.5 (1-Lane)
1.300	12.68	3.08	0.00	95.4 (2-Lane)
1.300	12.61	3.09	0.00	95.8 (1-Lane)
1.400	5.14	2.34	0.00	72.4 (2-Lane)
1.400	5.12	2.35	0.00	72.8 (1-Lane)
1.500	3.16	3.16	0.00	97.9 (2-Lane)
1.500	3.07	3.07	0.00	95.2 (1-Lane)
1.600	2.34	5.14	0.00	72.4 (2-Lane)
1.600	2.35	5.12	0.00	72.8 (1-Lane)
1.700	3.08	12.68	0.00	95.4 (2-Lane)
1.700	3.09	12.61	0.00	95.8 (1-Lane)
1.800	3.24	29.82	0.00	100.4 (2-Lane)
1.800	3.11	28.67	0.00	96.5 (1-Lane)
1.900	3.69	108.47	0.00	114.4 (2-Lane)
1.900	3.55	104.27	0.00	110.0 (1-Lane)
1.948	3.04	264.19	0.00	94.3 (2-Lane)
1.948	2.92	253.97	0.00	90.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	174.30 R	0.00	131.05	0.00	157.78 R	0.00	118.63	0.00
1.200	327.2	48.1	302.74 R	0.00	227.62	0.00	274.05 R	0.00	206.05	0.00
1.300	429.4	63.1	389.50 R	0.00	292.86	0.00	352.59 R	0.00	265.10	0.00
1.400	490.8	72.2	442.39 R	0.00	332.62	0.00	400.46 R	0.00	301.10	0.00
1.500	511.2	75.2	449.43 R	0.00	337.91	0.00	406.83 R	0.00	305.89	0.00
1.600	490.8	72.2	442.39 R	0.00	332.62	0.00	400.46 R	0.00	301.10	0.00
1.700	429.4	63.1	389.50 R	0.00	292.86	0.00	352.59 R	0.00	265.10	0.00
1.800	327.2	48.1	302.74 R	0.00	227.62	0.00	274.05 R	0.00	206.05	0.00
1.900	184.0	27.1	174.30 R	0.00	131.05	0.00	157.78 R	0.00	118.63	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1602

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	36.74	999.00	12.16	999.00	0.00	376.9 (2-Lane)
1.100	40.58	999.00	13.43	999.00	0.00	416.4 (1-Lane)
1.200	19.58	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.200	21.63	999.00	7.12	999.00	0.00	220.8 (1-Lane)
1.300	14.69	999.00	4.82	999.00	0.00	149.4 (2-Lane)
1.300	16.23	999.00	5.32	999.00	0.00	165.1 (1-Lane)
1.400	12.42	999.00	4.08	999.00	0.00	126.4 (2-Lane)
1.400	13.72	999.00	4.50	999.00	0.00	139.6 (1-Lane)
1.500	11.97	999.00	3.93	999.00	0.00	121.9 (2-Lane)
1.500	13.22	999.00	4.34	999.00	0.00	134.6 (1-Lane)
1.600	12.42	999.00	4.08	999.00	0.00	126.4 (2-Lane)
1.600	13.72	999.00	4.50	999.00	0.00	139.6 (1-Lane)
1.700	14.69	999.00	4.82	999.00	0.00	149.4 (2-Lane)
1.700	16.23	999.00	5.32	999.00	0.00	165.1 (1-Lane)
1.800	19.58	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.800	21.63	999.00	7.12	999.00	0.00	220.8 (1-Lane)
1.900	36.48	999.00	12.03	999.00	0.00	373.0 (2-Lane)
1.900	40.30	999.00	13.29	999.00	0.00	412.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL	LL	LL
	1.25	1.25	1.75	1.75				

9999999_20120831cy17_FlexuralRpt.txt											
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	207.4	33.8	402.40 R	0.00	302.55	0.00	364.26 R	0.00	273.88	0.00	0.00
1.200	409.0	60.1	725.98 R	0.00	545.85	0.00	657.17 R	0.00	494.12	0.00	0.00
1.300	536.8	78.9	943.10 R	0.00	709.10	0.00	853.72 R	0.00	641.90	0.00	0.00
1.400	613.5	90.2	1063.75 R	0.00	799.81	0.00	962.94 R	0.00	724.01	0.00	0.00
1.500	639.0	94.0	1095.61 R	0.00	823.77	0.00	991.78 R	0.00	745.70	0.00	0.00
1.600	613.5	90.2	1063.75 R	0.00	799.81	0.00	962.94 R	0.00	724.01	0.00	0.00
1.700	536.8	78.9	943.10 R	0.00	709.10	0.00	853.72 R	0.00	641.90	0.00	0.00
1.800	409.0	60.1	725.98 R	0.00	545.85	0.00	657.17 R	0.00	494.12	0.00	0.00
1.900	230.0	33.8	402.40 R	0.00	302.55	0.00	364.26 R	0.00	273.88	0.00	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1605

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	
1.000	999.00	999.00		999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00		999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00		999.00	999.00	999.0 (1-Lane)
1.100	7.95	999.00		7.95	999.00	276.4 (2-Lane)
1.100	8.78	999.00		8.78	999.00	305.3 (1-Lane)
1.200	4.26	999.00		4.26	999.00	148.0 (2-Lane)
1.200	4.70	999.00		4.70	999.00	163.5 (1-Lane)
1.300	3.25	999.00		3.25	999.00	112.9 (2-Lane)
1.300	3.59	999.00		3.59	999.00	124.7 (1-Lane)
1.400	2.84	999.00		2.84	999.00	98.5 (2-Lane)
1.400	3.13	999.00		3.13	999.00	108.8 (1-Lane)
1.500	2.73	999.00		2.73	999.00	94.7 (2-Lane)
1.500	3.01	999.00		3.01	999.00	104.6 (1-Lane)
1.600	2.84	999.00		2.84	999.00	98.5 (2-Lane)
1.600	3.13	999.00		3.13	999.00	108.8 (1-Lane)
1.700	3.25	999.00		3.25	999.00	112.9 (2-Lane)
1.700	3.59	999.00		3.59	999.00	124.7 (1-Lane)
1.800	4.26	999.00		4.26	999.00	148.0 (2-Lane)
1.800	4.70	999.00		4.70	999.00	163.5 (1-Lane)
1.900	7.90	999.00		7.90	999.00	274.4 (2-Lane)
1.900	8.72	999.00		8.72	999.00	303.1 (1-Lane)
1.948	999.00	999.00		999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00		999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1607

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	67.98	0.00	51.11	0.00	70.71	0.00	53.17	0.00
1.100	39.6	5.3	63.34	0.00	47.62	0.00	65.88	0.00	49.54	0.00
1.200	27.0	4.0	54.49	0.00	40.97	0.00	56.68	0.00	42.62	0.00
1.300	18.0	2.7	45.64	0.00	34.31	0.00	47.47	0.00	35.70	0.00
1.400	9.0	1.3	36.79	0.00	27.66	0.00	38.27	0.00	28.77	0.00
1.500	0.0	0.0	27.94	0.00	21.01	0.00	29.07	0.00	21.85	0.00
1.600	-9.0	-1.3	-36.79	0.00	-27.66	0.00	-38.27	0.00	-28.77	0.00
1.700	-18.0	-2.7	-45.64	0.00	-34.31	0.00	-47.47	0.00	-35.70	0.00
1.800	-27.0	-4.0	-54.49	0.00	-40.97	0.00	-56.68	0.00	-42.62	0.00
1.900	-36.0	-5.3	-63.34	0.00	-47.62	0.00	-65.88	0.00	-49.54	0.00
1.948	-40.3	-11.9	-67.57	0.00	-50.80	0.00	-70.29	0.00	-52.85	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	95.6	47.4	154.0	-174.7	133.4 (2-Lane)
1.300	101.7	47.4	160.1	-180.8	139.5 (1-Lane)
1.400	61.4	31.9	93.3	-103.6	83.0 (2-Lane)
1.400	65.2	31.9	97.1	-107.5	86.8 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	61.4	31.9	93.3	-83.0	103.6 (2-Lane)
1.600	65.2	31.9	97.1	-86.8	107.5 (1-Lane)
1.700	95.6	47.4	154.0	-133.4	174.7 (2-Lane)
1.700	101.7	47.4	160.1	-139.5	180.8 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	426.44	2.77	0.00	96.1 (2-Lane)
1.048	409.95	2.66	0.00	92.4 (1-Lane)
1.100	182.88	3.37	0.00	117.2 (2-Lane)
1.100	175.81	3.24	0.00	112.6 (1-Lane)
1.200	37.69	3.10	0.00	107.6 (2-Lane)
1.200	36.23	2.98	0.00	103.4 (1-Lane)
1.300	13.91	2.92	0.00	101.6 (2-Lane)
1.300	13.84	2.94	0.00	102.1 (1-Lane)
1.400	5.20	2.26	0.00	78.4 (2-Lane)
1.400	5.18	2.27	0.00	78.8 (1-Lane)
1.500	3.21	3.21	0.00	111.7 (2-Lane)
1.500	3.09	3.09	0.00	107.4 (1-Lane)

1.600	2.26	5.20	0.00	78.4 (2-Lane)
1.600	2.27	5.18	0.00	78.8 (1-Lane)
1.700	2.92	13.91	0.00	101.6 (2-Lane)
1.700	2.94	13.84	0.00	102.1 (1-Lane)
1.800	3.10	37.69	0.00	107.6 (2-Lane)
1.800	2.98	36.23	0.00	103.4 (1-Lane)
1.900	3.50	183.41	0.00	121.6 (2-Lane)
1.900	3.36	176.32	0.00	116.9 (1-Lane)
1.948	2.87	390.54	0.00	99.7 (2-Lane)
1.948	2.76	375.44	0.00	95.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	183.95 R	0.00	138.31	0.00	166.52 R	0.00	125.20	0.00
1.200	327.2	48.1	331.87 R	0.00	249.53	0.00	300.42 R	0.00	225.88	0.00
1.300	429.4	63.1	431.13 R	0.00	324.16	0.00	390.27 R	0.00	293.44	0.00
1.400	490.8	72.2	486.29 R	0.00	365.63	0.00	440.20 R	0.00	330.98	0.00
1.500	511.2	75.2	500.85 R	0.00	376.58	0.00	453.38 R	0.00	340.89	0.00
1.600	490.8	72.2	486.29 R	0.00	365.63	0.00	440.20 R	0.00	330.98	0.00
1.700	429.4	63.1	431.13 R	0.00	324.16	0.00	390.27 R	0.00	293.44	0.00
1.800	327.2	48.1	331.87 R	0.00	249.53	0.00	300.42 R	0.00	225.88	0.00
1.900	184.0	27.1	183.95 R	0.00	138.31	0.00	166.52 R	0.00	125.20	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance	Available Resistance for LL+I
	Positive Bending Top Bott.	Negative Bending Top Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.048	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	34.81	999.00	11.52	999.00	0.00	400.3	(2-Lane)
1.100	38.45	999.00	12.73	999.00	0.00	442.2	(1-Lane)
1.200	17.86	999.00	5.88	999.00	0.00	204.3	(2-Lane)
1.200	19.73	999.00	6.50	999.00	0.00	225.7	(1-Lane)
1.300	13.27	999.00	4.36	999.00	0.00	151.3	(2-Lane)
1.300	14.66	999.00	4.81	999.00	0.00	167.2	(1-Lane)
1.400	11.30	999.00	3.71	999.00	0.00	128.9	(2-Lane)
1.400	12.48	999.00	4.10	999.00	0.00	142.4	(1-Lane)
1.500	10.74	999.00	3.53	999.00	0.00	122.6	(2-Lane)
1.500	11.87	999.00	3.90	999.00	0.00	135.4	(1-Lane)
1.600	11.30	999.00	3.71	999.00	0.00	128.9	(2-Lane)
1.600	12.48	999.00	4.10	999.00	0.00	142.4	(1-Lane)
1.700	13.27	999.00	4.36	999.00	0.00	151.3	(2-Lane)
1.700	14.66	999.00	4.81	999.00	0.00	167.2	(1-Lane)
1.800	17.86	999.00	5.88	999.00	0.00	204.3	(2-Lane)
1.800	19.73	999.00	6.50	999.00	0.00	225.7	(1-Lane)
1.900	34.57	999.00	11.40	999.00	0.00	396.1	(2-Lane)
1.900	38.19	999.00	12.59	999.00	0.00	437.6	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	421.04 R	0.00	316.57	0.00	381.13 R	0.00	286.57	0.00
1.200	409.0	60.1	759.43 R	0.00	571.00	0.00	687.46 R	0.00	516.89	0.00
1.300	536.8	78.9	1015.18 R	0.00	763.29	0.00	918.97 R	0.00	690.95	0.00
1.400	613.5	90.2	1148.40 R	0.00	863.46	0.00	1039.57 R	0.00	781.63	0.00
1.500	639.0	94.0	1189.01 R	0.00	893.99	0.00	1076.33 R	0.00	809.27	0.00
1.600	613.5	90.2	1148.40 R	0.00	863.46	0.00	1039.57 R	0.00	781.63	0.00
1.700	536.8	78.9	1015.18 R	0.00	763.29	0.00	918.97 R	0.00	690.96	0.00
1.800	409.0	60.1	759.43 R	0.00	571.00	0.00	687.46 R	0.00	516.89	0.00
1.900	230.0	33.8	421.04 R	0.00	316.57	0.00	381.13 R	0.00	286.57	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	Rating top fiber +bend	Factor fiber -bend	bottom fiber +bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.60	999.00	7.60	0.00	294.5 (2-Lane)
1.100	8.40	999.00	8.40	0.00	325.4 (1-Lane)
1.200	4.07	999.00	4.07	0.00	157.7 (2-Lane)
1.200	4.50	999.00	4.50	0.00	174.2 (1-Lane)
1.300	3.02	999.00	3.02	0.00	117.0 (2-Lane)
1.300	3.33	999.00	3.33	0.00	129.2 (1-Lane)
1.400	2.63	999.00	2.63	0.00	101.8 (2-Lane)
1.400	2.90	999.00	2.90	0.00	112.4 (1-Lane)
1.500	2.51	999.00	2.51	0.00	97.3 (2-Lane)
1.500	2.78	999.00	2.78	0.00	107.5 (1-Lane)
1.600	2.63	999.00	2.63	0.00	101.8 (2-Lane)
1.600	2.90	999.00	2.90	0.00	112.4 (1-Lane)
1.700	3.02	999.00	3.02	0.00	117.0 (2-Lane)
1.700	3.33	999.00	3.33	0.00	129.2 (1-Lane)
1.800	4.07	999.00	4.07	0.00	157.7 (2-Lane)
1.800	4.50	999.00	4.50	0.00	174.2 (1-Lane)
1.900	7.55	999.00	7.55	0.00	292.4 (2-Lane)
1.900	8.34	999.00	8.34	0.00	323.0 (1-Lane)
1.948	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	71.45	0.00	53.72	0.00	74.32	0.00
1.100	39.6	5.3	66.27	0.00	49.83	0.00	68.93	0.00
1.200	27.0	4.0	56.40	0.00	42.41	0.00	58.67	0.00
1.300	18.0	2.7	46.54	0.00	34.99	0.00	48.41	0.00
1.400	9.0	1.3	36.67	0.00	27.57	0.00	38.14	0.00
1.500	0.0	0.0	27.22	0.00	20.46	0.00	28.31	0.00
1.600	-9.0	-1.3	-36.67	0.00	-27.57	0.00	-38.14	0.00
1.700	-18.0	-2.7	-46.54	0.00	-34.99	0.00	-48.41	0.00
1.800	-27.0	-4.0	-56.40	0.00	-42.41	0.00	-58.67	0.00
1.900	-36.0	-5.3	-66.27	0.00	-49.83	0.00	-68.93	0.00
1.948	-40.3	-11.9	-70.99	0.00	-53.38	0.00	-73.84	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	93.5	47.4	151.9	-172.6	131.3 (2-Lane)
1.300	99.5	47.4	158.0	-178.6	137.3 (1-Lane)
1.400	59.4	31.9	91.3	-101.7	81.0 (2-Lane)
1.400	63.1	31.9	95.1	-105.4	84.7 (1-Lane)

1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.4	31.9	91.3	-81.0	101.7 (2-Lane)
1.600	63.1	31.9	95.1	-84.7	105.4 (1-Lane)
1.700	93.5	47.4	151.9	-131.3	172.6 (2-Lane)
1.700	99.5	47.4	158.0	-137.3	178.6 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-INV

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	426.44	2.63	0.00	102.0 (2-Lane)
1.048	409.95	2.53	0.00	98.1 (1-Lane)
1.100	207.13	3.22	0.00	124.9 (2-Lane)
1.100	199.12	3.10	0.00	120.0 (1-Lane)
1.200	49.76	2.99	0.00	115.9 (2-Lane)
1.200	47.83	2.88	0.00	111.4 (1-Lane)
1.300	15.77	2.82	0.00	109.3 (2-Lane)
1.300	15.69	2.84	0.00	109.9 (1-Lane)
1.400	5.40	2.21	0.00	85.6 (2-Lane)
1.400	5.39	2.22	0.00	86.1 (1-Lane)
1.500	3.30	3.30	0.00	127.9 (2-Lane)
1.500	3.17	3.17	0.00	122.9 (1-Lane)
1.600	2.21	5.40	0.00	85.6 (2-Lane)
1.600	2.22	5.39	0.00	86.1 (1-Lane)
1.700	2.82	15.77	0.00	109.3 (2-Lane)
1.700	2.84	15.69	0.00	109.9 (1-Lane)
1.800	2.99	49.76	0.00	115.9 (2-Lane)
1.800	2.88	47.83	0.00	111.4 (1-Lane)
1.900	3.34	207.74	0.00	129.5 (2-Lane)
1.900	3.21	199.71	0.00	124.5 (1-Lane)
1.948	2.73	390.54	0.00	105.9 (2-Lane)
1.948	2.63	375.44	0.00	101.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1618

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-IN

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	27.1	192.47 R	0.00	144.72	0.00	174.23 R	0.00	131.00	0.00
1.200	327.2	48.1	347.17 R	0.00	261.03	0.00	314.27 R	0.00	236.29	0.00
1.300	429.4	63.1	464.08 R	0.00	348.93	0.00	420.10 R	0.00	315.87	0.00
1.400	490.8	72.2	524.98 R	0.00	394.73	0.00	475.23 R	0.00	357.32	0.00
1.500	511.2	75.2	543.55 R	0.00	408.68	0.00	492.04 R	0.00	369.95	0.00
1.600	490.8	72.2	524.98 R	0.00	394.73	0.00	475.23 R	0.00	357.32	0.00
1.700	429.4	63.1	464.08 R	0.00	348.93	0.00	420.10 R	0.00	315.87	0.00
1.800	327.2	48.1	347.17 R	0.00	261.03	0.00	314.27 R	0.00	236.29	0.00
1.900	184.0	27.1	192.47 R	0.00	144.72	0.00	174.23 R	0.00	131.00	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

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9999999_20120831cy17_FlexuralRpt.txt									
1.400	613.5	90.2	1012.11 R	0.00	811.75	0.00	916.19 R	0.00	734.82
1.500	639.0	94.0	1028.64 R	0.00	826.30	0.00	931.16 R	0.00	747.99
1.600	613.5	90.2	1012.11 R	0.00	811.75	0.00	916.19 R	0.00	734.82
1.700	536.8	78.9	900.98 R	0.00	721.85	0.00	815.59 R	0.00	653.44
1.800	409.0	60.1	707.56 R	0.00	565.84	0.00	640.50 R	0.00	512.22
1.900	230.0	33.8	407.23 R	0.00	325.23	0.00	368.64 R	0.00	294.41
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.86	999.00	7.86	999.00	0.00	282.9 (2-Lane)
1.100	8.68	999.00	8.68	999.00	0.00	312.5 (1-Lane)
1.200	4.37	999.00	4.37	999.00	0.00	157.3 (2-Lane)
1.200	4.83	999.00	4.83	999.00	0.00	173.8 (1-Lane)
1.300	3.40	999.00	3.40	999.00	0.00	122.4 (2-Lane)
1.300	3.76	999.00	3.76	999.00	0.00	135.2 (1-Lane)
1.400	2.98	999.00	2.98	999.00	0.00	107.3 (2-Lane)
1.400	3.29	999.00	3.29	999.00	0.00	118.5 (1-Lane)
1.500	2.90	999.00	2.90	999.00	0.00	104.5 (2-Lane)
1.500	3.21	999.00	3.21	999.00	0.00	115.5 (1-Lane)
1.600	2.98	999.00	2.98	999.00	0.00	107.3 (2-Lane)
1.600	3.29	999.00	3.29	999.00	0.00	118.5 (1-Lane)
1.700	3.40	999.00	3.40	999.00	0.00	122.4 (2-Lane)
1.700	3.76	999.00	3.76	999.00	0.00	135.2 (1-Lane)
1.800	4.37	999.00	4.37	999.00	0.00	157.3 (2-Lane)
1.800	4.83	999.00	4.83	999.00	0.00	173.8 (1-Lane)
1.900	7.80	999.00	7.80	999.00	0.00	280.9 (2-Lane)
1.900	8.62	999.00	8.62	999.00	0.00	310.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load:		HL93		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL	LL	LL
	1.25	1.25	1.35	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	67.90	0.00	54.07	0.00	56.25
1.100	39.6	5.3	62.89	0.00	49.98	0.00	51.99
1.200	27.0	4.0	53.54	0.00	42.38	0.00	44.09
1.300	18.0	2.7	44.45	0.00	35.05	0.00	36.46
1.400	9.0	1.3	35.64	0.00	27.99	0.00	29.12
1.500	0.0	0.0	27.09	0.00	21.20	0.00	22.05
1.600	-9.0	-1.3	-35.64	0.00	-27.99	0.00	-29.12
1.700	-18.0	-2.7	-44.45	0.00	-35.05	0.00	-36.46
1.800	-27.0	-4.0	-53.54	0.00	-42.38	0.00	-44.09
1.900	-36.0	-5.3	-62.89	0.00	-49.98	0.00	-51.99
1.948	-40.3	-11.9	-67.46	0.00	-53.71	0.00	-55.87
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	96.2	47.4	154.7	-175.3	134.0 (2-Lane)
1.300	102.3	47.4	160.7	-181.4	140.1 (1-Lane)
1.400	61.6	31.9	93.5	-103.8	83.2 (2-Lane)
1.400	65.3	31.9	97.3	-107.6	87.0 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	61.6	31.9	93.5	-83.2	103.8 (2-Lane)
1.600	65.3	31.9	97.3	-87.0	107.6 (1-Lane)
1.700	96.2	47.4	154.7	-134.0	175.3 (2-Lane)
1.700	102.3	47.4	160.7	-140.1	181.4 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	198.66	2.77	0.00	99.7 (2-Lane)
1.048	190.98	2.66	0.00	95.9 (1-Lane)
1.100	95.33	3.40	0.00	122.3 (2-Lane)
1.100	91.65	3.27	0.00	117.5 (1-Lane)
1.200	26.74	3.15	0.00	113.5 (2-Lane)
1.200	25.70	3.03	0.00	109.1 (1-Lane)
1.300	12.34	3.02	0.00	108.5 (2-Lane)
1.300	12.27	3.03	0.00	109.1 (1-Lane)
1.400	5.18	2.33	0.00	84.0 (2-Lane)
1.400	5.16	2.35	0.00	84.4 (1-Lane)
1.500	3.32	3.32	0.00	119.3 (2-Lane)
1.500	3.19	3.19	0.00	114.7 (1-Lane)
1.600	2.33	5.18	0.00	84.0 (2-Lane)
1.600	2.35	5.16	0.00	84.4 (1-Lane)
1.700	3.02	12.34	0.00	108.5 (2-Lane)
1.700	3.03	12.27	0.00	109.1 (1-Lane)
1.800	3.15	26.74	0.00	113.5 (2-Lane)

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1.800	3.03	25.70	0.00	109.1 (1-Lane)
1.900	3.52	91.74	0.00	126.8 (2-Lane)
1.900	3.39	88.19	0.00	121.9 (1-Lane)
1.948	2.88	177.97	0.00	103.5 (2-Lane)
1.948	2.76	171.09	0.00	99.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1627

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	330.50 R	0.00	248.50	0.00	299.18 R	0.00	224.95	0.00
1.200	409.0	60.1	571.15 R	0.00	429.44	0.00	517.02 R	0.00	388.74	0.00
1.300	536.8	78.9	721.95 R	0.00	542.82	0.00	653.53 R	0.00	491.37	0.00
1.400	613.5	90.2	807.50 R	0.00	607.14	0.00	730.97 R	0.00	549.60	0.00
1.500	639.0	94.0	815.51 R	0.00	613.16	0.00	738.22 R	0.00	555.05	0.00
1.600	613.5	90.2	807.50 R	0.00	607.14	0.00	730.97 R	0.00	549.60	0.00
1.700	536.8	78.9	721.95 R	0.00	542.82	0.00	653.53 R	0.00	491.37	0.00
1.800	409.0	60.1	571.15 R	0.00	429.44	0.00	517.02 R	0.00	388.74	0.00
1.900	230.0	33.8	330.50 R	0.00	248.50	0.00	299.18 R	0.00	224.95	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	9.68	999.00	9.68	999.00	193.65	348.6 (2-Lane)
1.100	10.70	999.00	10.70	999.00	213.92	385.1 (1-Lane)
1.200	5.41	999.00	5.41	999.00	108.25	194.8 (2-Lane)
1.200	5.98	999.00	5.98	999.00	119.58	215.2 (1-Lane)
1.300	4.24	999.00	4.24	999.00	84.88	152.8 (2-Lane)
1.300	4.69	999.00	4.69	999.00	93.77	168.8 (1-Lane)

1.400	3.73	999.00	3.73	999.00	74.69	134.4	(2-Lane)
1.400	4.13	999.00	4.13	999.00	82.51	148.5	(1-Lane)
1.500	3.66	999.00	3.66	999.00	73.24	131.8	(2-Lane)
1.500	4.05	999.00	4.05	999.00	80.91	145.6	(1-Lane)
1.600	3.73	999.00	3.73	999.00	74.69	134.4	(2-Lane)
1.600	4.13	999.00	4.13	999.00	82.51	148.5	(1-Lane)
1.700	4.24	999.00	4.24	999.00	84.88	152.8	(2-Lane)
1.700	4.69	999.00	4.69	999.00	93.77	168.8	(1-Lane)
1.800	5.41	999.00	5.41	999.00	108.25	194.8	(2-Lane)
1.800	5.98	999.00	5.98	999.00	119.58	215.2	(1-Lane)
1.900	9.61	999.00	9.61	999.00	192.28	346.1	(2-Lane)
1.900	10.62	999.00	10.62	999.00	212.41	382.3	(1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	55.73	0.00	41.90	0.00	57.97	0.00	43.59
1.100	39.6	5.3	52.02	0.00	39.11	0.00	54.11	0.00	40.69
1.200	27.0	4.0	44.95	0.00	33.80	0.00	46.76	0.00	35.16
1.300	18.0	2.7	37.88	0.00	28.48	0.00	39.40	0.00	29.62
1.400	9.0	1.3	30.81	0.00	23.16	0.00	32.04	0.00	24.09
1.500	0.0	0.0	23.73	0.00	17.85	0.00	24.69	0.00	18.56
1.600	-9.0	-1.3	-30.81	0.00	-23.16	0.00	-32.04	0.00	-24.09
1.700	-18.0	-2.7	-37.88	0.00	-28.48	0.00	-39.40	0.00	-29.62
1.800	-27.0	-4.0	-44.95	0.00	-33.80	0.00	-46.76	0.00	-35.16
1.900	-36.0	-5.3	-52.02	0.00	-39.11	0.00	-54.11	0.00	-40.69
1.948	-40.3	-11.9	-55.40	0.00	-41.66	0.00	-57.63	0.00	-43.33
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	97.6	47.4	156.0	-176.6	135.3 (2-Lane)
1.300	103.2	47.4	161.7	-182.3	141.0 (1-Lane)
1.400	62.2	31.9	94.2	-104.5	83.8 (2-Lane)
1.400	65.8	31.9	97.7	-108.0	87.4 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.2	31.9	94.2	-83.8	104.5 (2-Lane)
1.600	65.8	31.9	97.7	-87.4	108.0 (1-Lane)
1.700	97.6	47.4	156.0	-135.3	176.6 (2-Lane)
1.700	103.2	47.4	161.7	-141.0	182.3 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	198.66	3.38	67.49	121.5 (2-Lane)
1.048	190.98	3.24	64.88	116.8 (1-Lane)
1.100	96.49	4.11	82.11	147.8 (2-Lane)
1.100	92.76	3.95	78.93	142.1 (1-Lane)
1.200	36.70	3.75	75.08	135.1 (2-Lane)
1.200	35.28	3.61	72.17	129.9 (1-Lane)
1.300	15.90	3.57	71.46	128.6 (2-Lane)
1.300	15.78	3.58	71.58	128.8 (1-Lane)
1.400	6.01	2.72	54.42	98.0 (2-Lane)
1.400	5.97	2.73	54.53	98.2 (1-Lane)
1.500	3.78	3.78	75.67	136.2 (2-Lane)
1.500	3.64	3.64	72.75	130.9 (1-Lane)
1.600	2.72	6.01	54.43	98.0 (2-Lane)
1.600	2.73	5.97	54.53	98.2 (1-Lane)
1.700	3.57	15.90	71.46	128.6 (2-Lane)
1.700	3.58	15.78	71.58	128.8 (1-Lane)
1.800	3.75	36.70	75.08	135.1 (2-Lane)
1.800	3.61	35.28	72.17	129.9 (1-Lane)
1.900	4.26	96.78	85.17	153.3 (2-Lane)
1.900	4.09	93.03	81.88	147.4 (1-Lane)
1.948	3.50	181.93	70.02	126.0 (2-Lane)
1.948	3.37	174.90	67.31	121.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	239.92 R	0.00	180.39	0.00	217.18 R	0.00	163.29	0.00
1.200	409.0	60.1	417.44 R	0.00	313.86	0.00	377.88 R	0.00	284.12	0.00
1.300	536.8	78.9	532.56 R	0.00	400.42	0.00	482.09 R	0.00	362.47	0.00
1.400	613.5	90.2	598.47 R	0.00	449.97	0.00	541.75 R	0.00	407.33	0.00
1.500	639.0	94.0	610.77 R	0.00	459.22	0.00	552.88 R	0.00	415.70	0.00
1.600	613.5	90.2	598.47 R	0.00	449.97	0.00	541.75 R	0.00	407.33	0.00
1.700	536.8	78.9	532.56 R	0.00	400.42	0.00	482.09 R	0.00	362.47	0.00
1.800	409.0	60.1	417.44 R	0.00	313.86	0.00	377.88 R	0.00	284.12	0.00
1.900	230.0	33.8	239.92 R	0.00	180.39	0.00	217.18 R	0.00	163.29	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.34	999.00	13.34	999.00	0.00	333.5 (2-Lane)
1.100	14.73	999.00	14.73	999.00	0.00	368.4 (1-Lane)
1.200	7.41	999.00	7.41	999.00	0.00	185.1 (2-Lane)
1.200	8.18	999.00	8.18	999.00	0.00	204.5 (1-Lane)
1.300	5.75	999.00	5.75	999.00	0.00	143.8 (2-Lane)
1.300	6.36	999.00	6.36	999.00	0.00	158.9 (1-Lane)
1.400	5.04	999.00	5.04	999.00	0.00	126.0 (2-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	139.2 (1-Lane)
1.500	4.89	999.00	4.89	999.00	0.00	122.2 (2-Lane)
1.500	5.40	999.00	5.40	999.00	0.00	135.0 (1-Lane)
1.600	5.04	999.00	5.04	999.00	0.00	126.0 (2-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	139.2 (1-Lane)
1.700	5.75	999.00	5.75	999.00	0.00	143.8 (2-Lane)
1.700	6.36	999.00	6.36	999.00	0.00	158.9 (1-Lane)
1.800	7.41	999.00	7.41	999.00	0.00	185.1 (2-Lane)
1.800	8.18	999.00	8.18	999.00	0.00	204.5 (1-Lane)
1.900	13.24	999.00	13.24	999.00	0.00	331.1 (2-Lane)
1.900	14.63	999.00	14.63	999.00	0.00	365.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	40.34	0.00	30.33	0.00	41.96	0.00
1.100	39.6	5.3	37.76	0.00	28.39	0.00	39.28	0.00
1.200	27.0	4.0	32.85	0.00	24.70	0.00	34.17	0.00
1.300	18.0	2.7	27.94	0.00	21.01	0.00	29.06	0.00
1.400	9.0	1.3	23.03	0.00	17.32	0.00	23.96	0.00
1.500	0.0	0.0	18.12	0.00	13.62	0.00	18.85	0.00
1.600	-9.0	-1.3	-23.03	0.00	-17.32	0.00	-23.96	0.00
1.700	-18.0	-2.7	-27.94	0.00	-21.01	0.00	-29.06	0.00
1.800	-27.0	-4.0	-32.85	0.00	-24.70	0.00	-34.17	0.00
1.900	-36.0	-5.3	-37.76	0.00	-28.39	0.00	-39.28	0.00
1.948	-40.3	-11.9	-40.11	0.00	-30.16	0.00	-41.72	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
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1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	95.3	47.4	153.7	-174.4	133.0 (2-Lane)
1.300	100.0	47.4	158.4	-179.1	137.8 (1-Lane)
1.400	59.8	31.9	91.7	-102.0	81.4 (2-Lane)
1.400	62.7	31.9	94.6	-105.0	84.3 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.8	31.9	91.7	-81.4	102.0 (2-Lane)
1.600	62.7	31.9	94.6	-84.3	105.0 (1-Lane)
1.700	95.3	47.4	153.7	-133.0	174.4 (2-Lane)
1.700	100.0	47.4	158.4	-137.8	179.1 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	373.95	4.66	0.00	116.6 (2-Lane)
1.048	359.49	4.48	0.00	112.0 (1-Lane)
1.100	140.20	5.66	0.00	141.4 (2-Lane)
1.100	134.77	5.44	0.00	135.9 (1-Lane)
1.200	41.92	5.14	0.00	128.4 (2-Lane)
1.200	40.30	4.94	0.00	123.4 (1-Lane)
1.300	19.72	4.76	0.00	119.0 (2-Lane)
1.300	19.47	4.74	0.00	118.5 (1-Lane)
1.400	7.72	3.53	0.00	88.3 (2-Lane)
1.400	7.64	3.52	0.00	88.0 (1-Lane)
1.500	4.96	4.96	0.00	123.9 (2-Lane)
1.500	4.76	4.76	0.00	119.1 (1-Lane)
1.600	3.53	7.72	0.00	88.3 (2-Lane)
1.600	3.52	7.64	0.00	88.0 (1-Lane)
1.700	4.76	19.72	0.00	119.0 (2-Lane)
1.700	4.74	19.47	0.00	118.5 (1-Lane)
1.800	5.14	41.92	0.00	128.4 (2-Lane)
1.800	4.94	40.30	0.00	123.4 (1-Lane)
1.900	5.87	140.60	0.00	146.7 (2-Lane)
1.900	5.64	135.17	0.00	141.0 (1-Lane)
1.948	4.84	342.46	0.00	120.9 (2-Lane)
1.948	4.65	329.22	0.00	116.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1641

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	LL	LL	LL	LL
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	207.4	33.8	283.13 R	0.00	212.88	0.00	256.30 R	0.00
1.200	409.0	60.1	466.42 R	0.00	350.69	0.00	422.21 R	0.00
1.300	536.8	78.9	610.52 R	0.00	459.04	0.00	552.66 R	0.00
1.400	613.5	90.2	675.89 R	0.00	508.19	0.00	611.84 R	0.00
1.500	639.0	94.0	663.40 R	0.00	498.79	0.00	600.52 R	0.00
1.600	613.5	90.2	675.89 R	0.00	508.19	0.00	611.84 R	0.00
1.700	536.8	78.9	610.52 R	0.00	459.04	0.00	552.66 R	0.00

1.800	409.0	60.1	466.42 R	0.00	350.69	0.00	422.21 R	0.00	317.45	0.00
1.900	230.0	33.8	283.13 R	0.00	212.88	0.00	256.30 R	0.00	192.70	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1642

STRENGTH

MOMENT

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

I-OPER

Rating Live Load:

3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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MOMENT

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

I-OPER

Rating Live Load:

3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	11.30	999.00	11.30	999.00	0.00	452.1 (2-Lane)
1.100	12.49	999.00	12.49	999.00	0.00	499.4 (1-Lane)
1.200	6.63	999.00	6.63	999.00	0.00	265.1 (2-Lane)
1.200	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.300	5.02	999.00	5.02	999.00	0.00	200.7 (2-Lane)
1.300	5.54	999.00	5.54	999.00	0.00	221.8 (1-Lane)
1.400	4.46	999.00	4.46	999.00	0.00	178.5 (2-Lane)
1.400	4.93	999.00	4.93	999.00	0.00	197.2 (1-Lane)
1.500	4.50	999.00	4.50	999.00	0.00	180.1 (2-Lane)
1.500	4.97	999.00	4.97	999.00	0.00	198.9 (1-Lane)
1.600	4.46	999.00	4.46	999.00	0.00	178.5 (2-Lane)
1.600	4.93	999.00	4.93	999.00	0.00	197.2 (1-Lane)
1.700	5.02	999.00	5.02	999.00	0.00	200.7 (2-Lane)
1.700	5.54	999.00	5.54	999.00	0.00	221.8 (1-Lane)
1.800	6.63	999.00	6.63	999.00	0.00	265.1 (2-Lane)
1.800	7.32	999.00	7.32	999.00	0.00	292.9 (1-Lane)
1.900	11.22	999.00	11.22	999.00	0.00	448.9 (2-Lane)
1.900	12.40	999.00	12.40	999.00	0.00	495.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 1644

SHEAR

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

I-OPER

Rating Live Load:

3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		1.35		1.35	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	48.68	0.00	36.61	0.00	50.64	0.00	38.08	0.00
1.100	39.6	5.3	44.56	0.00	33.51	0.00	46.36	0.00	34.85	0.00
1.200	27.0	4.0	36.71	0.00	27.60	0.00	38.18	0.00	28.71	0.00
1.300	18.0	2.7	29.11	0.00	21.89	0.00	30.28	0.00	22.77	0.00
1.400	9.0	1.3	22.61	0.00	17.00	0.00	23.52	0.00	17.68	0.00
1.500	0.0	0.0	16.22	0.00	12.20	0.00	16.88	0.00	12.69	0.00
1.600	-9.0	-1.3	-22.61	0.00	-17.00	0.00	-23.52	0.00	-17.68	0.00
1.700	-18.0	-2.7	-29.11	0.00	-21.89	0.00	-30.28	0.00	-22.77	0.00
1.800	-27.0	-4.0	-36.71	0.00	-27.60	0.00	-38.18	0.00	-28.71	0.00
1.900	-36.0	-5.3	-44.56	0.00	-33.51	0.00	-46.36	0.00	-34.85	0.00
1.948	-40.3	-11.9	-48.32	0.00	-36.33	0.00	-50.26	0.00	-37.79	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	92.5	47.4	150.9	-171.6	130.3 (2-Lane)
1.300	97.3	47.4	155.7	-176.4	135.1 (1-Lane)
1.400	57.1	31.9	89.0	-99.4	78.7 (2-Lane)
1.400	59.9	31.9	91.9	-102.2	81.5 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	57.1	31.9	89.0	-78.7	99.4 (2-Lane)
1.600	59.9	31.9	91.9	-81.6	102.2 (1-Lane)
1.700	92.5	47.4	150.9	-130.3	171.6 (2-Lane)
1.700	97.3	47.4	155.7	-135.1	176.4 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1646

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	373.95	3.86	0.00	154.5 (2-Lane)
1.048	359.49	3.71	0.00	148.5 (1-Lane)
1.100	140.20	4.79	0.00	191.7 (2-Lane)
1.100	134.77	4.61	0.00	184.3 (1-Lane)
1.200	41.92	4.60	0.00	183.9 (2-Lane)
1.200	40.30	4.42	0.00	176.8 (1-Lane)
1.300	19.41	4.48	0.00	179.0 (2-Lane)
1.300	19.18	4.46	0.00	178.4 (1-Lane)
1.400	8.16	3.48	0.00	139.3 (2-Lane)
1.400	8.07	3.47	0.00	138.7 (1-Lane)
1.500	5.53	5.53	0.00	221.4 (2-Lane)
1.500	5.32	5.32	0.00	212.8 (1-Lane)
1.600	3.48	8.16	0.00	139.3 (2-Lane)
1.600	3.47	8.07	0.00	138.7 (1-Lane)
1.700	4.48	19.41	0.00	179.0 (2-Lane)
1.700	4.46	19.18	0.00	178.4 (1-Lane)
1.800	4.60	41.92	0.00	183.9 (2-Lane)
1.800	4.42	40.30	0.00	176.8 (1-Lane)
1.900	4.97	140.60	0.00	198.9 (2-Lane)
1.900	4.78	135.17	0.00	191.2 (1-Lane)

1.948	4.01	342.46	0.00	160.6 (2-Lane)
1.948	3.86	329.22	0.00	154.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	242.99 R	0.00	182.70	0.00	219.96 R	0.00	165.38	0.00
1.200	409.0	60.1	401.11 R	0.00	301.59	0.00	363.10 R	0.00	273.01	0.00
1.300	536.8	78.9	502.51 R	0.00	377.82	0.00	454.88 R	0.00	342.02	0.00
1.400	613.5	90.2	527.83 R	0.00	396.86	0.00	477.81 R	0.00	359.25	0.00
1.500	639.0	94.0	559.71 R	0.00	420.83	0.00	506.67 R	0.00	380.95	0.00
1.600	613.5	90.2	527.83 R	0.00	396.86	0.00	477.80 R	0.00	359.25	0.00
1.700	536.8	78.9	502.51 R	0.00	377.82	0.00	454.88 R	0.00	342.02	0.00
1.800	409.0	60.1	401.11 R	0.00	301.59	0.00	363.10 R	0.00	273.01	0.00
1.900	230.0	33.8	242.99 R	0.00	182.70	0.00	219.96 R	0.00	165.38	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1649

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.17	999.00	13.17	999.00	0.00	526.8 (2-Lane)
1.100	14.55	999.00	14.55	999.00	0.00	581.9 (1-Lane)
1.200	7.71	999.00	7.71	999.00	0.00	308.3 (2-Lane)
1.200	8.51	999.00	8.51	999.00	0.00	340.5 (1-Lane)
1.300	6.10	999.00	6.10	999.00	0.00	243.9 (2-Lane)
1.300	6.74	999.00	6.74	999.00	0.00	269.4 (1-Lane)
1.400	5.71	999.00	5.71	999.00	0.00	228.5 (2-Lane)
1.400	6.31	999.00	6.31	999.00	0.00	252.5 (1-Lane)

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1.500	5.34	999.00	5.34	999.00	0.00 213.4 (2-Lane)
1.500	5.89	999.00	5.89	999.00	0.00 235.8 (1-Lane)
1.600	5.71	999.00	5.71	999.00	0.00 228.5 (2-Lane)
1.600	6.31	999.00	6.31	999.00	0.00 252.5 (1-Lane)
1.700	6.10	999.00	6.10	999.00	0.00 243.9 (2-Lane)
1.700	6.74	999.00	6.74	999.00	0.00 269.4 (1-Lane)
1.800	7.71	999.00	7.71	999.00	0.00 308.3 (2-Lane)
1.800	8.51	999.00	8.51	999.00	0.00 340.5 (1-Lane)
1.900	13.08	999.00	13.08	999.00	0.00 523.1 (2-Lane)
1.900	14.44	999.00	14.44	999.00	0.00 577.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	41.77	0.00	31.40	0.00	43.45	0.00	32.67	0.00
1.100	39.6	5.3	38.25	0.00	28.76	0.00	39.78	0.00	29.91	0.00
1.200	27.0	4.0	31.57	0.00	23.73	0.00	32.84	0.00	24.69	0.00
1.300	18.0	2.7	24.89	0.00	18.71	0.00	25.89	0.00	19.47	0.00
1.400	9.0	1.3	19.43	0.00	14.61	0.00	20.21	0.00	15.19	0.00
1.500	0.0	0.0	15.10	0.00	11.36	0.00	15.71	0.00	11.81	0.00
1.600	-9.0	-1.3	-19.43	0.00	-14.61	0.00	-20.21	0.00	-15.19	0.00
1.700	-18.0	-2.7	-24.89	0.00	-18.71	0.00	-25.89	0.00	-19.47	0.00
1.800	-27.0	-4.0	-31.57	0.00	-23.73	0.00	-32.84	0.00	-24.69	0.00
1.900	-36.0	-5.3	-38.25	0.00	-28.76	0.00	-39.78	0.00	-29.91	0.00
1.948	-40.3	-11.9	-41.44	0.00	-31.16	0.00	-43.11	0.00	-32.41	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	92.7	47.4	151.2	-171.8	130.5 (2-Lane)
1.300	97.1	47.4	155.5	-176.2	134.9 (1-Lane)
1.400	57.5	31.9	89.5	-99.8	79.1 (2-Lane)
1.400	60.1	31.9	92.1	-102.4	81.7 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	57.5	31.9	89.5	-79.2	99.8 (2-Lane)
1.600	60.1	31.9	92.1	-81.7	102.4 (1-Lane)
1.700	92.7	47.4	151.2	-130.5	171.8 (2-Lane)
1.700	97.1	47.4	155.5	-134.9	176.2 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	454.08	4.50	0.00	180.1 (2-Lane)
1.048	436.52	4.33	0.00	173.1 (1-Lane)
1.100	170.24	5.58	0.00	223.4 (2-Lane)
1.100	163.65	5.37	0.00	214.7 (1-Lane)
1.200	50.91	5.34	0.00	213.8 (2-Lane)
1.200	48.94	5.14	0.00	205.5 (1-Lane)
1.300	23.60	5.24	0.00	209.8 (2-Lane)
1.300	23.26	5.21	0.00	208.4 (1-Lane)
1.400	9.26	4.07	0.00	163.0 (2-Lane)
1.400	9.13	4.04	0.00	161.8 (1-Lane)
1.500	5.95	5.95	0.00	237.8 (2-Lane)
1.500	5.72	5.72	0.00	228.6 (1-Lane)
1.600	4.07	9.26	0.00	163.0 (2-Lane)
1.600	4.05	9.13	0.00	161.8 (1-Lane)
1.700	5.24	23.60	0.00	209.8 (2-Lane)
1.700	5.21	23.26	0.00	208.4 (1-Lane)
1.800	5.34	50.91	0.00	213.8 (2-Lane)
1.800	5.14	48.94	0.00	205.5 (1-Lane)
1.900	5.79	170.73	0.00	231.7 (2-Lane)
1.900	5.57	164.13	0.00	222.7 (1-Lane)
1.948	4.68	415.85	0.00	187.2 (2-Lane)
1.948	4.50	399.77	0.00	180.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	265.02 R	0.00	199.26	0.00	239.90 R	0.00	180.38	0.00
1.200	409.0	60.1	462.65 R	0.00	347.86	0.00	418.80 R	0.00	314.89	0.00
1.300	536.8	78.9	592.89 R	0.00	445.78	0.00	536.70 R	0.00	403.53	0.00
1.400	613.5	90.2	675.95 R	0.00	508.23	0.00	611.89 R	0.00	460.07	0.00
1.500	639.0	94.0	695.14 R	0.00	522.66	0.00	629.26 R	0.00	473.13	0.00
1.600	613.5	90.2	675.95 R	0.00	508.23	0.00	611.89 R	0.00	460.07	0.00
1.700	536.8	78.9	592.89 R	0.00	445.78	0.00	536.70 R	0.00	403.53	0.00
1.800	409.0	60.1	462.65 R	0.00	347.86	0.00	418.80 R	0.00	314.89	0.00
1.900	230.0	33.8	265.02 R	0.00	199.26	0.00	239.90 R	0.00	180.38	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU4

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-OPER
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.07	999.00	12.07	999.00	0.00	326.0 (2-Lane)
1.100	13.34	999.00	13.34	999.00	0.00	360.2 (1-Lane)
1.200	6.68	999.00	6.68	999.00	0.00	180.4 (2-Lane)
1.200	7.38	999.00	7.38	999.00	0.00	199.3 (1-Lane)
1.300	5.17	999.00	5.17	999.00	0.00	139.5 (2-Lane)
1.300	5.71	999.00	5.71	999.00	0.00	154.1 (1-Lane)
1.400	4.46	999.00	4.46	999.00	0.00	120.5 (2-Lane)
1.400	4.93	999.00	4.93	999.00	0.00	133.1 (1-Lane)
1.500	4.30	999.00	4.30	999.00	0.00	116.0 (2-Lane)
1.500	4.75	999.00	4.75	999.00	0.00	128.1 (1-Lane)
1.600	4.46	999.00	4.46	999.00	0.00	120.5 (2-Lane)
1.600	4.93	999.00	4.93	999.00	0.00	133.1 (1-Lane)
1.700	5.17	999.00	5.17	999.00	0.00	139.5 (2-Lane)
1.700	5.71	999.00	5.71	999.00	0.00	154.1 (1-Lane)
1.800	6.68	999.00	6.68	999.00	0.00	180.4 (2-Lane)
1.800	7.38	999.00	7.38	999.00	0.00	199.3 (1-Lane)
1.900	11.99	999.00	11.99	999.00	0.00	323.7 (2-Lane)
1.900	13.24	999.00	13.24	999.00	0.00	357.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1658

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-OPER
Rating Live Load: SU4

Rating Live Load:		S4		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL	LL	LL
	1.25	1.25	1.35	1.35			1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	44.50	0.00	33.46	0.00	34.80
1.100	39.6	5.3	41.71	0.00	31.36	0.00	32.62
1.200	27.0	4.0	36.41	0.00	27.38	0.00	28.48
1.300	18.0	2.7	31.11	0.00	23.39	0.00	24.33
1.400	9.0	1.3	25.80	0.00	19.40	0.00	20.18
1.500	0.0	0.0	20.50	0.00	15.41	0.00	16.03
1.600	-9.0	-1.3	-25.80	0.00	-19.40	0.00	-20.18
1.700	-18.0	-2.7	-31.11	0.00	-23.39	0.00	-24.33
1.800	-27.0	-4.0	-36.41	0.00	-27.38	0.00	-28.48
1.900	-36.0	-5.3	-41.71	0.00	-31.36	0.00	-32.62
1.948	-40.3	-11.9	-44.25	0.00	-33.27	0.00	-34.61
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-OPER
Rating Live Load: SU4

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)

1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	96.1	47.4	154.5	-175.2	133.9 (2-Lane)
1.300	101.1	47.4	159.6	-180.2	138.9 (1-Lane)
1.400	60.6	31.9	92.6	-102.9	82.3 (2-Lane)
1.400	63.8	31.9	95.7	-106.1	85.4 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	60.6	31.9	92.6	-82.3	102.9 (2-Lane)
1.600	63.8	31.9	95.7	-85.4	106.1 (1-Lane)
1.700	96.1	47.4	154.5	-133.9	175.2 (2-Lane)
1.700	101.1	47.4	159.6	-138.9	180.2 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	373.95	4.23	0.00	114.1 (2-Lane)
1.048	359.49	4.06	0.00	109.7 (1-Lane)
1.100	140.20	5.12	0.00	138.2 (2-Lane)
1.100	134.77	4.92	0.00	132.9 (1-Lane)
1.200	38.66	4.63	0.00	125.1 (2-Lane)
1.200	37.17	4.45	0.00	120.3 (1-Lane)
1.300	17.36	4.30	0.00	116.2 (2-Lane)
1.300	17.17	4.29	0.00	115.9 (1-Lane)
1.400	6.77	3.19	0.00	86.1 (2-Lane)
1.400	6.71	3.18	0.00	85.9 (1-Lane)
1.500	4.38	4.38	0.00	118.3 (2-Lane)
1.500	4.21	4.21	0.00	113.7 (1-Lane)
1.600	3.19	6.77	0.00	86.1 (2-Lane)
1.600	3.18	6.71	0.00	85.9 (1-Lane)
1.700	4.30	17.36	0.00	116.2 (2-Lane)
1.700	4.29	17.17	0.00	115.9 (1-Lane)
1.800	4.63	38.66	0.00	125.1 (2-Lane)
1.800	4.45	37.17	0.00	120.3 (1-Lane)
1.900	5.31	140.60	0.00	143.4 (2-Lane)
1.900	5.11	135.17	0.00	137.9 (1-Lane)
1.948	4.38	342.46	0.00	118.3 (2-Lane)
1.948	4.21	329.22	0.00	113.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1662

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25	1.25		LL	LL	LL	LL			
				1.35			1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	294.12 R	0.00	221.15	0.00	266.25 R	0.00	200.19	0.00
1.200	409.0	60.1	510.87 R	0.00	384.11	0.00	462.46 R	0.00	347.71	0.00
1.300	536.8	78.9	657.28 R	0.00	494.19	0.00	594.99 R	0.00	447.36	0.00
1.400	613.5	90.2	746.53 R	0.00	561.30	0.00	675.78 R	0.00	508.11	0.00
1.500	639.0	94.0	758.40 R	0.00	570.23	0.00	686.53 R	0.00	516.19	0.00
1.600	613.5	90.2	746.53 R	0.00	561.30	0.00	675.78 R	0.00	508.11	0.00
1.700	536.8	78.9	657.28 R	0.00	494.19	0.00	594.99 R	0.00	447.36	0.00
1.800	409.0	60.1	510.87 R	0.00	384.11	0.00	462.46 R	0.00	347.71	0.00
1.900	230.0	33.8	294.12 R	0.00	221.15	0.00	266.25 R	0.00	200.19	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	49.49	37.21	0.00	0.00	51.48	0.00	38.71	0.00
1.100	39.6	5.3	46.29	0.00	34.81	0.00	48.16	0.00	36.21	0.00
1.200	27.0	4.0	40.20	0.00	30.23	0.00	41.82	0.00	31.44	0.00
1.300	18.0	2.7	34.12	0.00	25.65	0.00	35.49	0.00	26.68	0.00
1.400	9.0	1.3	28.03	0.00	21.07	0.00	29.15	0.00	21.92	0.00
1.500	0.0	0.0	21.94	0.00	16.49	0.00	22.82	0.00	17.16	0.00
1.600	-9.0	-1.3	-28.03	0.00	-21.07	0.00	-29.15	0.00	-21.92	0.00
1.700	-18.0	-2.7	-34.12	0.00	-25.65	0.00	-35.49	0.00	-26.68	0.00
1.800	-27.0	-4.0	-40.20	0.00	-30.23	0.00	-41.82	0.00	-31.44	0.00
1.900	-36.0	-5.3	-46.29	0.00	-34.81	0.00	-48.16	0.00	-36.21	0.00
1.948	-40.3	-11.9	-49.21	0.00	-37.00	0.00	-51.19	0.00	-38.49	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: SU5

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	-230.7	168.7 (1-Lane)
1.300	96.4	47.4	-175.5	134.2 (2-Lane)
1.300	101.7	47.4	-180.8	139.5 (1-Lane)
1.400	61.0	31.9	-103.3	82.6 (2-Lane)
1.400	64.4	31.9	-106.6	86.0 (1-Lane)
1.500	39.4	50.4	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	-89.8	89.8 (1-Lane)
1.600	61.0	31.9	-82.7	103.3 (2-Lane)
1.600	64.4	31.9	-86.0	106.6 (1-Lane)
1.700	96.4	47.4	-134.2	175.5 (2-Lane)
1.700	101.7	47.4	-139.5	180.8 (1-Lane)
1.800	106.0	82.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1667

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: SU5

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	373.95	3.80	0.00	117.8 (2-Lane)
1.048	359.49	3.65	0.00	113.3 (1-Lane)
1.100	140.20	4.61	0.00	143.0 (2-Lane)
1.100	134.77	4.43	0.00	137.5 (1-Lane)
1.200	38.66	4.20	0.00	130.1 (2-Lane)
1.200	37.17	4.03	0.00	125.1 (1-Lane)
1.300	16.26	3.93	0.00	121.9 (2-Lane)
1.300	16.11	3.93	0.00	121.9 (1-Lane)
1.400	6.52	2.95	0.00	91.4 (2-Lane)
1.400	6.47	2.95	0.00	91.4 (1-Lane)
1.500	4.09	4.09	0.00	126.9 (2-Lane)
1.500	3.93	3.93	0.00	122.0 (1-Lane)
1.600	2.95	6.52	0.00	91.4 (2-Lane)
1.600	2.95	6.47	0.00	91.4 (1-Lane)
1.700	3.93	16.26	0.00	121.9 (2-Lane)
1.700	3.93	16.11	0.00	121.9 (1-Lane)
1.800	4.20	38.66	0.00	130.1 (2-Lane)
1.800	4.03	37.17	0.00	125.1 (1-Lane)
1.900	4.79	140.60	0.00	148.4 (2-Lane)
1.900	4.60	135.17	0.00	142.6 (1-Lane)
1.948	3.94	342.46	0.00	122.2 (2-Lane)
1.948	3.79	329.22	0.00	117.5 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	310.42 R	0.00	233.40	0.00	281.00 R	0.00	211.28	0.00
1.200	409.0	60.1	560.04 R	0.00	421.08	0.00	506.96 R	0.00	381.17	0.00
1.300	536.8	78.9	727.54 R	0.00	547.02	0.00	658.59 R	0.00	495.18	0.00
1.400	613.5	90.2	820.61 R	0.00	617.00	0.00	742.84 R	0.00	558.52	0.00
1.500	639.0	94.0	845.18 R	0.00	635.48	0.00	765.09 R	0.00	575.25	0.00
1.600	613.5	90.2	820.61 R	0.00	617.00	0.00	742.84 R	0.00	558.52	0.00
1.700	536.8	78.9	727.54 R	0.00	547.02	0.00	658.59 R	0.00	495.18	0.00
1.800	409.0	60.1	560.04 R	0.00	421.08	0.00	506.96 R	0.00	381.17	0.00
1.900	230.0	33.8	310.42 R	0.00	233.40	0.00	281.00 R	0.00	211.28	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1670

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER
Rating Live Load: SU6

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.31	999.00	10.31	999.00	0.00	358.2 (2-Lane)
1.100	11.39	999.00	11.39	999.00	0.00	395.7 (1-Lane)
1.200	5.52	999.00	5.52	999.00	0.00	191.8 (2-Lane)
1.200	6.10	999.00	6.10	999.00	0.00	211.9 (1-Lane)
1.300	4.21	999.00	4.21	999.00	0.00	146.3 (2-Lane)
1.300	4.65	999.00	4.65	999.00	0.00	161.7 (1-Lane)
1.400	3.67	999.00	3.67	999.00	0.00	127.7 (2-Lane)
1.400	4.06	999.00	4.06	999.00	0.00	141.1 (1-Lane)
1.500	3.53	999.00	3.53	999.00	0.00	122.8 (2-Lane)
1.500	3.90	999.00	3.90	999.00	0.00	135.6 (1-Lane)
1.600	3.67	999.00	3.67	999.00	0.00	127.7 (2-Lane)

1.600	4.06	999.00	4.06	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	141.1 (1-Lane)
1.700	4.21	999.00	4.21	999.00	0.00	146.3 (2-Lane)
1.700	4.65	999.00	4.65	999.00	0.00	161.7 (1-Lane)
1.800	5.52	999.00	5.52	999.00	0.00	191.8 (2-Lane)
1.800	6.10	999.00	6.10	999.00	0.00	211.9 (1-Lane)
1.900	10.24	999.00	10.24	999.00	0.00	355.7 (2-Lane)
1.900	11.31	999.00	11.31	999.00	0.00	392.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1672

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	52.44	0.00	39.43	0.00	54.55	0.00	41.01	0.00
1.100	39.6	5.3	48.86	0.00	36.74	0.00	50.82	0.00	38.21	0.00
1.200	27.0	4.0	42.03	0.00	31.60	0.00	43.72	0.00	32.87	0.00
1.300	18.0	2.7	35.21	0.00	26.47	0.00	36.62	0.00	27.54	0.00
1.400	9.0	1.3	28.38	0.00	21.34	0.00	29.52	0.00	22.20	0.00
1.500	0.0	0.0	21.56	0.00	16.21	0.00	22.42	0.00	16.86	0.00
1.600	-9.0	-1.3	-28.38	0.00	-21.34	0.00	-29.52	0.00	-22.20	0.00
1.700	-18.0	-2.7	-35.21	0.00	-26.47	0.00	-36.62	0.00	-27.54	0.00
1.800	-27.0	-4.0	-42.03	0.00	-31.60	0.00	-43.72	0.00	-32.87	0.00
1.900	-36.0	-5.3	-48.86	0.00	-36.74	0.00	-50.82	0.00	-38.21	0.00
1.948	-40.3	-11.9	-52.12	0.00	-39.19	0.00	-54.22	0.00	-40.77	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	94.1	47.4	152.5	-173.2	131.9 (2-Lane)
1.300	99.5	47.4	157.9	-178.5	137.2 (1-Lane)
1.400	59.4	31.9	91.4	-101.7	81.0 (2-Lane)
1.400	62.7	31.9	94.7	-105.0	84.3 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.4	31.9	91.4	-81.0	101.7 (2-Lane)
1.600	62.7	31.9	94.7	-84.3	105.0 (1-Lane)
1.700	94.1	47.4	152.5	-131.9	173.2 (2-Lane)
1.700	99.5	47.4	157.9	-137.2	178.5 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1674

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU6

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance

(tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	552.79	3.59	0.00	124.6 (2-Lane)
1.048	531.42	3.45	0.00	119.8 (1-Lane)
1.100	237.07	4.37	0.00	151.9 (2-Lane)
1.100	227.90	4.20	0.00	146.0 (1-Lane)
1.200	48.86	4.01	0.00	139.5 (2-Lane)
1.200	46.97	3.86	0.00	134.1 (1-Lane)
1.300	17.88	3.75	0.00	130.2 (2-Lane)
1.300	17.72	3.75	0.00	130.2 (1-Lane)
1.400	6.61	2.86	0.00	99.2 (2-Lane)
1.400	6.56	2.86	0.00	99.3 (1-Lane)
1.500	4.17	4.17	0.00	144.8 (2-Lane)
1.500	4.01	4.01	0.00	139.2 (1-Lane)
1.600	2.86	6.61	0.00	99.2 (2-Lane)
1.600	2.86	6.56	0.00	99.3 (1-Lane)
1.700	3.75	17.88	0.00	130.2 (2-Lane)
1.700	3.75	17.72	0.00	130.2 (1-Lane)
1.800	4.01	48.86	0.00	139.5 (2-Lane)
1.800	3.86	46.97	0.00	134.1 (1-Lane)
1.900	4.53	237.76	0.00	157.6 (2-Lane)
1.900	4.36	228.57	0.00	151.5 (1-Lane)
1.948	3.72	506.25	0.00	129.3 (2-Lane)
1.948	3.58	486.68	0.00	124.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1676

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	33.8	324.80 R	0.00	244.21	0.00	294.02 R	0.00	221.07	0.00
1.200	409.0	60.1	585.85 R	0.00	440.49	0.00	530.32 R	0.00	398.74	0.00
1.300	536.8	78.9	783.14 R	0.00	588.83	0.00	708.92 R	0.00	533.02	0.00
1.400	613.5	90.2	885.91 R	0.00	666.10	0.00	801.95 R	0.00	602.97	0.00
1.500	639.0	94.0	917.24 R	0.00	689.65	0.00	830.31 R	0.00	624.29	0.00
1.600	613.5	90.2	885.91 R	0.00	666.10	0.00	801.95 R	0.00	602.97	0.00
1.700	536.8	78.9	783.14 R	0.00	588.83	0.00	708.92 R	0.00	533.02	0.00
1.800	409.0	60.1	585.85 R	0.00	440.49	0.00	530.32 R	0.00	398.74	0.00
1.900	230.0	33.8	324.80 R	0.00	244.21	0.00	294.02 R	0.00	221.07	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Bending Bott.	Available Resistance for LL+I Negative Bending Top	Available Resistance for LL+I Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: I-OPER
 Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.85	999.00	9.85	999.00	0.00	381.8 (2-Lane)
1.100	10.88	999.00	10.88	999.00	0.00	421.8 (1-Lane)
1.200	5.28	999.00	5.28	999.00	0.00	204.5 (2-Lane)
1.200	5.83	999.00	5.83	999.00	0.00	225.9 (1-Lane)
1.300	3.91	999.00	3.91	999.00	0.00	151.6 (2-Lane)
1.300	4.32	999.00	4.32	999.00	0.00	167.5 (1-Lane)
1.400	3.40	999.00	3.40	999.00	0.00	131.9 (2-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	145.7 (1-Lane)
1.500	3.26	999.00	3.26	999.00	0.00	126.2 (2-Lane)
1.500	3.60	999.00	3.60	999.00	0.00	139.4 (1-Lane)
1.600	3.40	999.00	3.40	999.00	0.00	131.9 (2-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	145.7 (1-Lane)
1.700	3.91	999.00	3.91	999.00	0.00	151.6 (2-Lane)
1.700	4.32	999.00	4.32	999.00	0.00	167.5 (1-Lane)
1.800	5.28	999.00	5.28	999.00	0.00	204.5 (2-Lane)
1.800	5.83	999.00	5.83	999.00	0.00	225.9 (1-Lane)
1.900	9.78	999.00	9.78	999.00	0.00	379.1 (2-Lane)
1.900	10.81	999.00	10.81	999.00	0.00	418.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1679

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: I-OPER
 Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.0	55.12	0.00	41.44	0.00	57.33	0.00	43.11	0.00
1.100	39.6	5.3	51.12	0.00	38.44	0.00	53.18	0.00	39.98	0.00
1.200	27.0	4.0	43.51	0.00	32.71	0.00	45.26	0.00	34.03	0.00
1.300	18.0	2.7	35.90	0.00	26.99	0.00	37.34	0.00	28.08	0.00
1.400	9.0	1.3	28.29	0.00	21.27	0.00	29.43	0.00	22.12	0.00
1.500	0.0	0.0	21.00	0.00	15.79	0.00	21.84	0.00	16.42	0.00
1.600	-9.0	-1.3	-28.29	0.00	-21.27	0.00	-29.43	0.00	-22.12	0.00
1.700	-18.0	-2.7	-35.90	0.00	-26.99	0.00	-37.34	0.00	-28.08	0.00
1.800	-27.0	-4.0	-43.51	0.00	-32.71	0.00	-45.26	0.00	-34.03	0.00
1.900	-36.0	-5.3	-51.12	0.00	-38.44	0.00	-53.18	0.00	-39.98	0.00
1.948	-40.3	-11.9	-54.76	0.00	-41.18	0.00	-56.97	0.00	-42.83	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: I-OPER
 Rating Live Load: SU7

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)

1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	92.3	47.4	150.7	-171.3	130.0 (2-Lane)
1.300	97.6	47.4	156.0	-176.7	135.4 (1-Lane)
1.400	57.7	31.9	89.7	-100.0	79.4 (2-Lane)
1.400	61.0	31.9	92.9	-103.2	82.6 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	57.7	31.9	89.7	-79.4	100.0 (2-Lane)
1.600	61.0	31.9	92.9	-82.6	103.2 (1-Lane)
1.700	92.3	47.4	150.7	-130.0	171.3 (2-Lane)
1.700	97.6	47.4	156.0	-135.4	176.7 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-OPER

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	552.79	3.41	0.00	132.2 (2-Lane)
1.048	531.42	3.28	0.00	127.1 (1-Lane)
1.100	268.50	4.18	0.00	161.9 (2-Lane)
1.100	258.12	4.02	0.00	155.6 (1-Lane)
1.200	64.50	3.88	0.00	150.3 (2-Lane)
1.200	62.01	3.73	0.00	144.5 (1-Lane)
1.300	20.30	3.62	0.00	140.4 (2-Lane)
1.300	20.12	3.62	0.00	140.5 (1-Lane)
1.400	6.89	2.81	0.00	108.7 (2-Lane)
1.400	6.84	2.81	0.00	108.8 (1-Lane)
1.500	4.28	4.28	0.00	165.7 (2-Lane)
1.500	4.11	4.11	0.00	159.3 (1-Lane)
1.600	2.81	6.89	0.00	108.7 (2-Lane)
1.600	2.81	6.84	0.00	108.8 (1-Lane)
1.700	3.62	20.30	0.00	140.4 (2-Lane)
1.700	3.62	20.12	0.00	140.5 (1-Lane)
1.800	3.88	64.50	0.00	150.3 (2-Lane)
1.800	3.73	62.01	0.00	144.5 (1-Lane)
1.900	4.33	269.29	0.00	167.9 (2-Lane)
1.900	4.17	258.88	0.00	161.4 (1-Lane)
1.948	3.54	506.25	0.00	137.2 (2-Lane)
1.948	3.40	486.68	0.00	131.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	319.89 R	240.52	289.58 R	217.73
1.200	409.0	60.1	556.58 R	418.48	503.84 R	378.82
1.300	536.8	78.9	710.08 R	533.89	642.78 R	483.30
1.400	613.5	90.2	797.96 R	599.97	722.33 R	543.11
1.500	639.0	94.0	814.35 R	612.30	737.18 R	554.27
1.600	613.5	90.2	797.96 R	599.97	722.33 R	543.11
1.700	536.8	78.9	710.08 R	533.89	642.78 R	483.30
1.800	409.0	60.1	556.58 R	418.48	503.84 R	378.82
1.900	230.0	33.8	319.89 R	240.52	289.57 R	217.73
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: 3

Span	Moment Resistance		Available Resistance for LL+I	
	Positive Bending Top	Negative Bending Top	Positive Bending Bott.	Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	-98.6	-98.6
1.100	3441.3	3441.3	-241.2	-241.2
1.200	3560.5	3560.5	-469.1	-469.1
1.300	3679.7	3679.7	-615.7	-615.7
1.400	3719.4	3719.4	-703.7	-703.7
1.500	3719.4	3719.4	-733.0	-733.0
1.600	3719.4	3719.4	-703.7	-703.7
1.700	3679.7	3679.7	-615.7	-615.7
1.800	3560.5	3560.5	-469.1	-469.1
1.900	3441.3	3441.3	-263.9	-263.9
1.948	3384.3	3384.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	0.00	999.00	(2-Lane)
1.000	999.00	999.00	0.00	999.00	(1-Lane)
1.048	999.00	999.00	0.00	999.00	(2-Lane)
1.048	999.00	999.00	0.00	999.00	(1-Lane)
1.100	10.00	999.00	0.00	250.1	(2-Lane)
1.100	11.05	999.00	0.00	276.3	(1-Lane)
1.200	5.55	999.00	0.00	138.9	(2-Lane)
1.200	6.14	999.00	0.00	153.4	(1-Lane)
1.300	4.32	999.00	0.00	107.9	(2-Lane)
1.300	4.77	999.00	0.00	119.2	(1-Lane)
1.400	3.78	999.00	0.00	94.5	(2-Lane)
1.400	4.18	999.00	0.00	104.4	(1-Lane)
1.500	3.67	999.00	0.00	91.7	(2-Lane)
1.500	4.05	999.00	0.00	101.3	(1-Lane)
1.600	3.78	999.00	0.00	94.5	(2-Lane)
1.600	4.18	999.00	0.00	104.4	(1-Lane)
1.700	4.32	999.00	0.00	107.9	(2-Lane)
1.700	4.77	999.00	0.00	119.2	(1-Lane)
1.800	5.55	999.00	0.00	138.9	(2-Lane)
1.800	6.14	999.00	0.00	153.4	(1-Lane)
1.900	9.93	999.00	0.00	248.3	(2-Lane)
1.900	10.97	999.00	0.00	274.3	(1-Lane)
1.948	999.00	999.00	0.00	999.00	(2-Lane)
1.948	999.00	999.00	0.00	999.00	(1-Lane)
2.000	999.00	999.00	0.00	999.00	(2-Lane)
2.000	999.00	999.00	0.00	999.00	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1686

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: 3

Span	DC		DW		(2-Lane)		(1-Lane)	
	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	45.0	0.0	0.00		0.00		0.00	
1.048	42.4	6.0	53.78		40.44		55.95	
1.100	39.6	5.3	50.35		37.86		52.37	

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1.200	27.0	4.0	43.80	32.93	45.56	34.26
1.300	18.0	2.7	37.25	28.01	38.75	29.14
1.400	9.0	1.3	30.71	23.09	31.94	24.02
1.500	0.0	0.0	24.16	18.16	25.13	18.90
1.600	-9.0	-1.3	-30.71	-23.09	-31.94	-24.02
1.700	-18.0	-2.7	-37.25	-28.01	-38.75	-29.14
1.800	-27.0	-4.0	-43.80	-32.93	-45.56	-34.26
1.900	-36.0	-5.3	-50.35	-37.86	-52.37	-39.38
1.948	-40.3	-11.9	-53.48	-40.21	-55.63	-41.83
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: I-LEGL
 Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	97.4	47.4	155.9	-176.5	135.2 (2-Lane)
1.300	103.1	47.4	161.5	-182.1	140.8 (1-Lane)
1.400	62.4	31.9	94.3	-104.6	84.0 (2-Lane)
1.400	65.9	31.9	97.9	-108.2	87.5 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.4	31.9	94.3	-84.0	104.7 (2-Lane)
1.600	65.9	31.9	97.9	-87.5	108.2 (1-Lane)
1.700	97.4	47.4	155.9	-135.2	176.5 (2-Lane)
1.700	103.1	47.4	161.5	-140.8	182.1 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
 Rating Type: I-LEGL
 Rating Live Load: 3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	280.46	3.50	0.00	87.4 (2-Lane)
1.048	269.61	3.36	0.00	84.0 (1-Lane)
1.100	105.15	4.24	0.00	106.0 (2-Lane)
1.100	101.08	4.08	0.00	101.9 (1-Lane)
1.200	31.44	3.85	0.00	96.3 (2-Lane)
1.200	30.23	3.70	0.00	92.6 (1-Lane)
1.300	14.97	3.63	0.00	90.7 (2-Lane)
1.300	14.85	3.63	0.00	90.9 (1-Lane)
1.400	5.94	2.73	0.00	68.4 (2-Lane)
1.400	5.91	2.74	0.00	68.5 (1-Lane)
1.500	3.72	3.72	0.00	92.9 (2-Lane)
1.500	3.57	3.57	0.00	89.3 (1-Lane)
1.600	2.73	5.94	0.00	68.4 (2-Lane)
1.600	2.74	5.91	0.00	68.5 (1-Lane)
1.700	3.63	14.97	0.00	90.7 (2-Lane)
1.700	3.63	14.85	0.00	90.9 (1-Lane)
1.800	3.85	31.44	0.00	96.3 (2-Lane)
1.800	3.70	30.23	0.00	92.6 (1-Lane)
1.900	4.40	105.45	0.00	110.0 (2-Lane)
1.900	4.23	101.38	0.00	105.7 (1-Lane)
1.948	3.63	256.85	0.00	90.7 (2-Lane)
1.948	3.49	246.92	0.00	87.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	142.17 R	106.90	128.70 R	96.77
1.200	409.0	60.1	247.37 R	185.99	223.93 R	168.37
1.300	536.8	78.9	315.59 R	237.29	285.68 R	214.80
1.400	613.5	90.2	354.65 R	266.65	321.04 R	241.38
1.500	639.0	94.0	361.94 R	272.13	327.63 R	246.34
1.600	613.5	90.2	354.65 R	266.65	321.04 R	241.38
1.700	536.8	78.9	315.59 R	237.29	285.68 R	214.80
1.800	409.0	60.1	247.37 R	185.99	223.93 R	168.37
1.900	230.0	33.8	142.17 R	106.90	128.70 R	96.77
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1689

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	45.03	999.00	14.90	999.00	0.00	372.6 (2-Lane)
1.100	49.75	999.00	16.47	999.00	0.00	411.6 (1-Lane)
1.200	23.96	999.00	7.89	999.00	0.00	197.2 (2-Lane)
1.200	26.47	999.00	8.72	999.00	0.00	217.9 (1-Lane)
1.300	18.13	999.00	5.95	999.00	0.00	148.7 (2-Lane)
1.300	20.03	999.00	6.57	999.00	0.00	164.3 (1-Lane)
1.400	15.50	999.00	5.09	999.00	0.00	127.1 (2-Lane)
1.400	17.12	999.00	5.62	999.00	0.00	140.4 (1-Lane)
1.500	14.86	999.00	4.88	999.00	0.00	122.0 (2-Lane)
1.500	16.42	999.00	5.39	999.00	0.00	134.8 (1-Lane)
1.600	15.50	999.00	5.09	999.00	0.00	127.1 (2-Lane)
1.600	17.12	999.00	5.62	999.00	0.00	140.4 (1-Lane)

1.700	18.13	999.00	5.95	999.00	0.00	148.7	(2-Lane)
1.700	20.03	999.00	6.57	999.00	0.00	164.3	(1-Lane)
1.800	23.96	999.00	7.89	999.00	0.00	197.2	(2-Lane)
1.800	26.47	999.00	8.72	999.00	0.00	217.9	(1-Lane)
1.900	44.72	999.00	14.75	999.00	0.00	368.7	(2-Lane)
1.900	49.41	999.00	16.29	999.00	0.00	407.3	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	
1.048	98.6	0.0	0.00 R	0.00	0.00 R			0.00	
1.100	207.4	33.8	377.50 R	283.84	341.73 R			256.94	
1.200	409.0	60.1	621.89 R	467.59	562.95 R			423.27	
1.300	536.8	78.9	814.03 R	612.05	736.89 R			554.05	
1.400	613.5	90.2	901.19 R	677.58	815.78 R			613.37	
1.500	639.0	94.0	884.53 R	665.06	800.70 R			602.03	
1.600	613.5	90.2	901.19 R	677.58	815.78 R			613.37	
1.700	536.8	78.9	814.03 R	612.05	736.89 R			554.05	
1.800	409.0	60.1	621.89 R	467.59	562.95 R			423.27	
1.900	230.0	33.8	377.50 R	283.84	341.73 R			256.94	
1.948	120.0	0.0	0.00 R	0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1693

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating top +bend	Factor fiber -bend	bottom fiber +bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.48	999.00	8.48	0.00	339.1 (2-Lane)
1.100	9.36	999.00	9.36	0.00	374.6 (1-Lane)

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1.200	4.97	999.00	4.97	999.00	0.00 198.8 (2-Lane)
1.200	5.49	999.00	5.49	999.00	0.00 219.7 (1-Lane)
1.300	3.76	999.00	3.76	999.00	0.00 150.6 (2-Lane)
1.300	4.16	999.00	4.16	999.00	0.00 166.3 (1-Lane)
1.400	3.35	999.00	3.35	999.00	0.00 133.9 (2-Lane)
1.400	3.70	999.00	3.70	999.00	0.00 147.9 (1-Lane)
1.500	3.38	999.00	3.38	999.00	0.00 135.1 (2-Lane)
1.500	3.73	999.00	3.73	999.00	0.00 149.2 (1-Lane)
1.600	3.35	999.00	3.35	999.00	0.00 133.9 (2-Lane)
1.600	3.70	999.00	3.70	999.00	0.00 147.9 (1-Lane)
1.700	3.76	999.00	3.76	999.00	0.00 150.6 (2-Lane)
1.700	4.16	999.00	4.16	999.00	0.00 166.3 (1-Lane)
1.800	4.97	999.00	4.97	999.00	0.00 198.8 (2-Lane)
1.800	5.49	999.00	5.49	999.00	0.00 219.7 (1-Lane)
1.900	8.42	999.00	8.42	999.00	0.00 336.7 (2-Lane)
1.900	9.30	999.00	9.30	999.00	0.00 371.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: 3S2

Gamma		DC	DW	LL	(1-Lane)
		1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	64.91	48.81	67.52	50.77
1.100	39.6	5.3	59.42	44.67	61.81	46.47
1.200	27.0	4.0	48.94	36.80	50.91	38.28
1.300	18.0	2.7	38.81	29.18	40.37	30.35
1.400	9.0	1.3	30.14	22.66	31.36	23.58
1.500	0.0	0.0	21.63	16.26	22.50	16.92
1.600	-9.0	-1.3	-30.14	-22.66	-31.36	-23.58
1.700	-18.0	-2.7	-38.81	-29.18	-40.37	-30.35
1.800	-27.0	-4.0	-48.94	-36.80	-50.91	-38.28
1.900	-36.0	-5.3	-59.42	-44.67	-61.81	-46.47
1.948	-40.3	-11.9	-64.43	-48.44	-67.02	-50.39
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	94.1	47.4	152.5	-173.2	131.9 (2-Lane)
1.300	99.7	47.4	158.2	-178.8	137.5 (1-Lane)
1.400	59.2	31.9	91.1	-101.4	80.8 (2-Lane)
1.400	62.5	31.9	94.5	-104.8	84.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.2	31.9	91.1	-80.8	101.4 (2-Lane)
1.600	62.5	31.9	94.5	-84.2	104.8 (1-Lane)
1.700	94.1	47.4	152.5	-131.9	173.2 (2-Lane)
1.700	99.7	47.4	158.2	-137.5	178.8 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1696

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09
 Rating Type: I-LEGL
 Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	280.46	2.90	0.00	115.9 (2-Lane)
1.048	269.61	2.79	0.00	111.4 (1-Lane)
1.100	105.15	3.59	0.00	143.8 (2-Lane)
1.100	101.08	3.45	0.00	138.2 (1-Lane)
1.200	31.44	3.45	0.00	137.9 (2-Lane)
1.200	30.23	3.31	0.00	132.6 (1-Lane)
1.300	14.69	3.40	0.00	135.9 (2-Lane)
1.300	14.58	3.41	0.00	136.2 (1-Lane)
1.400	6.24	2.68	0.00	107.2 (2-Lane)
1.400	6.20	2.68	0.00	107.4 (1-Lane)
1.500	4.15	4.15	0.00	166.1 (2-Lane)
1.500	3.99	3.99	0.00	159.6 (1-Lane)
1.600	2.68	6.24	0.00	107.2 (2-Lane)
1.600	2.68	6.20	0.00	107.4 (1-Lane)
1.700	3.40	14.69	0.00	135.9 (2-Lane)
1.700	3.41	14.58	0.00	136.2 (1-Lane)
1.800	3.45	31.44	0.00	137.9 (2-Lane)
1.800	3.31	30.23	0.00	132.6 (1-Lane)
1.900	3.73	105.45	0.00	149.1 (2-Lane)
1.900	3.58	101.38	0.00	143.4 (1-Lane)
1.948	3.01	256.85	0.00	120.4 (2-Lane)
1.948	2.89	246.92	0.00	115.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1697

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09
 Rating Type: III-LG
 Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.048	98.6	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	207.4	33.8	167.78 R	126.15	151.88 R		114.19	
1.200	409.0	60.1	276.40 R	207.82	250.20 R		188.12	
1.300	536.8	78.9	361.79 R	272.02	327.50 R		246.24	
1.400	613.5	90.2	400.53 R	301.15	362.57 R		272.61	
1.500	639.0	94.0	393.12 R	295.58	355.87 R		267.57	
1.600	613.5	90.2	400.53 R	301.15	362.57 R		272.61	
1.700	536.8	78.9	361.79 R	272.02	327.50 R		246.24	
1.800	409.0	60.1	276.40 R	207.82	250.20 R		188.12	
1.900	230.0	33.8	167.78 R	126.15	151.88 R		114.19	
1.948	120.0	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1697

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G09
 Rating Type: III-LGL
 Rating Live Load: STRESSES

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1

9999999_20120831cy17_FlexuralRpt.txt								
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1698

SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

III-LGL S

Rating Live Load:

3S2

Service						
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	38.16	999.00	12.63	999.00	0.00	505.2 (2-Lane)
1.100	42.16	999.00	13.95	999.00	0.00	558.1 (1-Lane)
1.200	21.44	999.00	7.06	999.00	0.00	282.4 (2-Lane)
1.200	23.69	999.00	7.80	999.00	0.00	312.0 (1-Lane)
1.300	15.81	999.00	5.19	999.00	0.00	207.6 (2-Lane)
1.300	17.47	999.00	5.73	999.00	0.00	229.3 (1-Lane)
1.400	13.72	999.00	4.50	999.00	0.00	180.1 (2-Lane)
1.400	15.16	999.00	4.97	999.00	0.00	199.0 (1-Lane)
1.500	13.69	999.00	4.49	999.00	0.00	179.8 (2-Lane)
1.500	15.12	999.00	4.97	999.00	0.00	198.6 (1-Lane)
1.600	13.72	999.00	4.50	999.00	0.00	180.1 (2-Lane)
1.600	15.16	999.00	4.97	999.00	0.00	199.0 (1-Lane)
1.700	15.81	999.00	5.19	999.00	0.00	207.6 (2-Lane)
1.700	17.47	999.00	5.73	999.00	0.00	229.3 (1-Lane)
1.800	21.44	999.00	7.06	999.00	0.00	282.4 (2-Lane)
1.800	23.69	999.00	7.80	999.00	0.00	312.0 (1-Lane)
1.900	37.90	999.00	12.50	999.00	0.00	499.9 (2-Lane)
1.900	41.87	999.00	13.81	999.00	0.00	552.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 1699

MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type:

I-LEGL

Rating Live Load:

3-3

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1700

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G09

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1701

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.88	999.00	9.88	999.00	0.00	395.1 (2-Lane)
1.100	10.91	999.00	10.91	999.00	0.00	436.5 (1-Lane)
1.200	5.78	999.00	5.78	999.00	0.00	231.2 (2-Lane)
1.200	6.39	999.00	6.39	999.00	0.00	255.4 (1-Lane)
1.300	4.57	999.00	4.57	999.00	0.00	182.9 (2-Lane)
1.300	5.05	999.00	5.05	999.00	0.00	202.1 (1-Lane)
1.400	4.28	999.00	4.28	999.00	0.00	171.4 (2-Lane)
1.400	4.73	999.00	4.73	999.00	0.00	189.3 (1-Lane)
1.500	4.00	999.00	4.00	999.00	0.00	160.1 (2-Lane)
1.500	4.42	999.00	4.42	999.00	0.00	176.8 (1-Lane)
1.600	4.28	999.00	4.28	999.00	0.00	171.4 (2-Lane)
1.600	4.73	999.00	4.73	999.00	0.00	189.3 (1-Lane)
1.700	4.57	999.00	4.57	999.00	0.00	182.9 (2-Lane)
1.700	5.05	999.00	5.05	999.00	0.00	202.1 (1-Lane)
1.800	5.78	999.00	5.78	999.00	0.00	231.2 (2-Lane)
1.800	6.39	999.00	6.39	999.00	0.00	255.4 (1-Lane)
1.900	9.81	999.00	9.81	999.00	0.00	392.3 (2-Lane)
1.900	10.83	999.00	10.83	999.00	0.00	433.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1702

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.80		1.80	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane
1.000	45.0	0.0	0.00		0.00		0.00	
1.048	42.4	6.0	55.69		41.87		57.93	
1.100	39.6	5.3	50.99		38.34		53.04	
1.200	27.0	4.0	42.09		31.65		43.78	
1.300	18.0	2.7	33.18		24.95		34.52	
1.400	9.0	1.3	25.90		19.47		26.94	
1.500	0.0	0.0	20.14		15.14		20.95	
1.600	-9.0	-1.3	-25.90		-19.47		-26.94	
1.700	-18.0	-2.7	-33.18		-24.95		-34.52	
1.800	-27.0	-4.0	-42.09		-31.65		-43.78	
1.900	-36.0	-5.3	-50.99		-38.34		-53.04	
							-39.88	

1.948 -40.3 -11.9 -55.25 9999999_20120831cy17_FlexuralRpt.txt -41.54 -57.48 -43.21
2.000 -45.0 0.0 0.00 0.00 0.00 0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1703
 STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-LEGL
Rating Live Load: 3-3

	Shear	Resistance		Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	94.6	47.4	153.0	-173.6	132.3 (2-Lane)
1.300	99.8	47.4	158.2	-178.8	137.5 (1-Lane)
1.400	60.0	31.9	91.9	-102.2	81.6 (2-Lane)
1.400	63.1	31.9	95.0	-105.4	84.7 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	60.0	31.9	91.9	-81.6	102.2 (2-Lane)
1.600	63.1	31.9	95.0	-84.7	105.4 (1-Lane)
1.700	94.6	47.4	153.0	-132.3	173.6 (2-Lane)
1.700	99.8	47.4	158.2	-137.5	178.8 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1704
 STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G09
Rating Type: I-LEGL
Rating Live Load: 3-3

	Span	Rating	Factor	Rating	Load
		(-)	(+)	Value	Resistance
					(tons)
	1.000	999.00	999.00	0.00	999.0 (2-Lane)
	1.000	999.00	999.00	0.00	999.0 (1-Lane)
	1.048	340.56	3.38	0.00	135.1 (2-Lane)
	1.048	327.39	3.25	0.00	129.9 (1-Lane)
	1.100	127.68	4.19	0.00	167.5 (2-Lane)
	1.100	122.74	4.03	0.00	161.0 (1-Lane)
	1.200	38.18	4.01	0.00	160.4 (2-Lane)
	1.200	36.71	3.85	0.00	154.2 (1-Lane)
	1.300	17.89	3.99	0.00	159.5 (2-Lane)
	1.300	17.71	3.98	0.00	159.4 (1-Lane)
	1.400	7.11	3.15	0.00	126.0 (2-Lane)
	1.400	7.05	3.14	0.00	125.8 (1-Lane)
	1.500	4.46	4.46	0.00	178.4 (2-Lane)
	1.500	4.29	4.29	0.00	171.5 (1-Lane)
	1.600	3.15	7.11	0.00	126.0 (2-Lane)
	1.600	3.14	7.05	0.00	125.8 (1-Lane)
	1.700	3.99	17.89	0.00	159.5 (2-Lane)
	1.700	3.98	17.71	0.00	159.4 (1-Lane)
	1.800	4.01	38.18	0.00	160.4 (2-Lane)
	1.800	3.85	36.71	0.00	154.2 (1-Lane)
	1.900	4.34	128.05	0.00	173.8 (2-Lane)
	1.900	4.18	123.10	0.00	167.1 (1-Lane)
	1.948	3.51	311.89	0.00	140.4 (2-Lane)
	1.948	3.38	299.83	0.00	135.0 (1-Lane)
	2.000	999.00	999.00	0.00	999.0 (2-Lane)
	2.000	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1705
 SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
Rating Type: III-LG
Rating Live Load: 3-3
Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	143.99 R	108.27	130.35 R	98.00
1.200	409.0	60.1	237.70 R	178.72	215.17 R	161.78
1.300	536.8	78.9	297.78 R	223.90	269.56 R	202.68
1.400	613.5	90.2	312.79 R	235.18	283.14 R	212.89
1.500	639.0	94.0	331.68 R	249.38	300.25 R	225.75
1.600	613.5	90.2	312.79 R	235.18	283.14 R	212.89
1.700	536.8	78.9	297.78 R	223.90	269.56 R	202.68
1.800	409.0	60.1	237.70 R	178.72	215.17 R	161.78
1.900	230.0	33.8	143.99 R	108.27	130.35 R	98.00
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1705

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1706

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	44.47	999.00	14.72	999.00	0.00	588.7 (2-Lane)
1.100	49.12	999.00	16.26	999.00	0.00	650.3 (1-Lane)
1.200	24.93	999.00	8.21	999.00	0.00	328.4 (2-Lane)
1.200	27.54	999.00	9.07	999.00	0.00	362.8 (1-Lane)
1.300	19.21	999.00	6.30	999.00	0.00	252.2 (2-Lane)
1.300	21.23	999.00	6.97	999.00	0.00	278.6 (1-Lane)
1.400	17.57	999.00	5.77	999.00	0.00	230.6 (2-Lane)
1.400	19.41	999.00	6.37	999.00	0.00	254.8 (1-Lane)
1.500	16.22	999.00	5.33	999.00	0.00	213.1 (2-Lane)
1.500	17.92	999.00	5.89	999.00	0.00	235.4 (1-Lane)
1.600	17.57	999.00	5.77	999.00	0.00	230.6 (2-Lane)
1.600	19.41	999.00	6.37	999.00	0.00	254.8 (1-Lane)
1.700	19.21	999.00	6.30	999.00	0.00	252.2 (2-Lane)
1.700	21.23	999.00	6.97	999.00	0.00	278.6 (1-Lane)
1.800	24.93	999.00	8.21	999.00	0.00	328.4 (2-Lane)
1.800	27.54	999.00	9.07	999.00	0.00	362.8 (1-Lane)
1.900	44.16	999.00	14.56	999.00	0.00	582.5 (2-Lane)

1.900	48.78	999.00	16.09	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 643.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

Structure I. D. 9999999_20120831cy17_01of01

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	314.10 R	236.16	284.33 R	213.78
1.200	409.0	60.1	548.32 R	412.27	496.36 R	373.20
1.300	536.8	78.9	702.68 R	528.33	636.09 R	478.26
1.400	613.5	90.2	801.13 R	602.35	725.20 R	545.27
1.500	639.0	94.0	823.87 R	619.45	745.79 R	560.75
1.600	613.5	90.2	801.13 R	602.35	725.20 R	545.27
1.700	536.8	78.9	702.68 R	528.33	636.09 R	478.26
1.800	409.0	60.1	548.32 R	412.27	496.36 R	373.20
1.900	230.0	33.8	314.10 R	236.16	284.33 R	213.78
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

Structure I. D. 9999999_20120831cy17_01of01

1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

Structure I. D. 9999999_20120831cy17_01of01

Span	Moment				Rating Value	Load Resistance (tons)
	Rating Factor		Rating Factor			
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.19	999.00	10.19	999.00	0.00	275.1 (2-Lane)
1.100	11.26	999.00	11.26	999.00	0.00	303.9 (1-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	152.2 (2-Lane)
1.200	6.23	999.00	6.23	999.00	0.00	168.2 (1-Lane)
1.300	4.36	999.00	4.36	999.00	0.00	117.7 (2-Lane)
1.300	4.82	999.00	4.82	999.00	0.00	130.1 (1-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	101.6 (2-Lane)
1.400	4.16	999.00	4.16	999.00	0.00	112.3 (1-Lane)

1.500	3.62	999.00	3.62	999.00	0.00	97.9 (2-Lane)
1.500	4.00	999.00	4.00	999.00	0.00	108.1 (1-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	101.6 (2-Lane)
1.600	4.16	999.00	4.16	999.00	0.00	112.3 (1-Lane)
1.700	4.36	999.00	4.36	999.00	0.00	117.7 (2-Lane)
1.700	4.82	999.00	4.82	999.00	0.00	130.1 (1-Lane)
1.800	5.64	999.00	5.64	999.00	0.00	152.2 (2-Lane)
1.800	6.23	999.00	6.23	999.00	0.00	168.2 (1-Lane)
1.900	10.12	999.00	10.12	999.00	0.00	273.1 (2-Lane)
1.900	11.18	999.00	11.18	999.00	0.00	301.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	LL	(1-Lane)
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	52.74	39.65	54.86	41.25
1.100	39.6	5.3	49.44	37.17	51.43	38.67
1.200	27.0	4.0	43.15	32.45	44.89	33.75
1.300	18.0	2.7	36.87	27.72	38.35	28.83
1.400	9.0	1.3	30.58	22.99	31.81	23.92
1.500	0.0	0.0	24.29	18.27	25.27	19.00
1.600	-9.0	-1.3	-30.58	-22.99	-31.81	-23.92
1.700	-18.0	-2.7	-36.87	-27.72	-38.35	-28.83
1.800	-27.0	-4.0	-43.15	-32.45	-44.89	-33.75
1.900	-36.0	-5.3	-49.44	-37.17	-51.43	-38.67
1.948	-40.3	-11.9	-52.44	-39.43	-54.55	-41.02
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	97.4	47.4	155.8	-176.4	135.1 (2-Lane)
1.300	102.9	47.4	161.4	-182.0	140.7 (1-Lane)
1.400	62.2	31.9	94.1	-104.4	83.8 (2-Lane)
1.400	65.7	31.9	97.6	-108.0	87.3 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.2	31.9	94.1	-83.8	104.4 (2-Lane)
1.600	65.7	31.9	97.6	-87.3	108.0 (1-Lane)
1.700	97.4	47.4	155.8	-135.1	176.4 (2-Lane)
1.700	102.9	47.4	161.4	-140.7	182.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	315.52	3.57	0.00	96.3 (2-Lane)
1.048	303.32	3.43	0.00	92.6 (1-Lane)
1.100	118.29	4.32	0.00	116.6 (2-Lane)
1.100	113.72	4.15	0.00	112.1 (1-Lane)
1.200	32.62	3.91	0.00	105.6 (2-Lane)
1.200	31.36	3.76	0.00	101.5 (1-Lane)
1.300	14.75	3.67	0.00	99.0 (2-Lane)
1.300	14.63	3.67	0.00	99.1 (1-Lane)
1.400	5.80	2.74	0.00	74.0 (2-Lane)
1.400	5.76	2.74	0.00	74.1 (1-Lane)
1.500	3.70	3.70	0.00	99.8 (2-Lane)
1.500	3.55	3.55	0.00	95.9 (1-Lane)
1.600	2.74	5.80	0.00	74.0 (2-Lane)
1.600	2.74	5.76	0.00	74.1 (1-Lane)
1.700	3.67	14.75	0.00	99.0 (2-Lane)
1.700	3.67	14.63	0.00	99.1 (1-Lane)
1.800	3.91	32.62	0.00	105.6 (2-Lane)
1.800	3.76	31.36	0.00	101.5 (1-Lane)
1.900	4.48	118.64	0.00	121.0 (2-Lane)
1.900	4.31	114.05	0.00	116.3 (1-Lane)
1.948	3.70	288.95	0.00	99.9 (2-Lane)
1.948	3.56	277.78	0.00	96.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	207.4	33.8	157.05 R	118.08	142.16 R	106.89	106.89	106.89	106.89
1.200	409.0	60.1	274.16 R	206.14	248.18 R	186.60	186.60	186.60	186.60
1.300	536.8	78.9	351.34 R	264.17	318.04 R	239.13	239.13	239.13	239.13
1.400	613.5	90.2	400.56 R	301.18	362.60 R	272.63	272.63	272.63	272.63
1.500	639.0	94.0	411.94 R	309.73	372.90 R	280.37	280.37	280.37	280.37
1.600	613.5	90.2	400.56 R	301.18	362.60 R	272.63	272.63	272.63	272.63
1.700	536.8	78.9	351.34 R	264.17	318.04 R	239.13	239.13	239.13	239.13
1.800	409.0	60.1	274.16 R	206.14	248.18 R	186.60	186.60	186.60	186.60
1.900	230.0	33.8	157.05 R	118.08	142.16 R	106.89	106.89	106.89	106.89
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL S

Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	40.77	999.00	13.49	999.00	0.00	364.3 (2-Lane)
1.100	45.04	999.00	14.91	999.00	0.00	402.5 (1-Lane)
1.200	21.62	999.00	7.12	999.00	0.00	192.2 (2-Lane)
1.200	23.88	999.00	7.86	999.00	0.00	212.3 (1-Lane)
1.300	16.28	999.00	5.34	999.00	0.00	144.3 (2-Lane)
1.300	17.99	999.00	5.90	999.00	0.00	159.4 (1-Lane)
1.400	13.72	999.00	4.50	999.00	0.00	121.6 (2-Lane)
1.400	15.16	999.00	4.97	999.00	0.00	134.3 (1-Lane)
1.500	13.06	999.00	4.29	999.00	0.00	115.8 (2-Lane)
1.500	14.43	999.00	4.74	999.00	0.00	127.9 (1-Lane)
1.600	13.72	999.00	4.50	999.00	0.00	121.6 (2-Lane)
1.600	15.16	999.00	4.97	999.00	0.00	134.3 (1-Lane)
1.700	16.28	999.00	5.34	999.00	0.00	144.3 (2-Lane)
1.700	17.99	999.00	5.90	999.00	0.00	159.4 (1-Lane)
1.800	21.62	999.00	7.12	999.00	0.00	192.2 (2-Lane)
1.800	23.88	999.00	7.86	999.00	0.00	212.3 (1-Lane)
1.900	40.49	999.00	13.35	999.00	0.00	360.5 (2-Lane)
1.900	44.73	999.00	14.75	999.00	0.00	398.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.048	98.6	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	207.4	33.8	348.59 R		262.10	315.55 R		237.26		
1.200	409.0	60.1	605.48 R		455.25	548.10 R		412.10		
1.300	536.8	78.9	779.00 R		585.71	705.17 R		530.20		
1.400	613.5	90.2	884.78 R		665.24	800.92 R		602.20		
1.500	639.0	94.0	898.85 R		675.83	813.66 R		611.78		
1.600	613.5	90.2	884.78 R		665.24	800.92 R		602.20		
1.700	536.8	78.9	779.00 R		585.71	705.17 R		530.20		
1.800	409.0	60.1	605.48 R		455.25	548.10 R		412.10		
1.900	230.0	33.8	348.59 R		262.10	315.55 R		237.26		
1.948	120.0	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Bending Top	Available Resistance for LL+I Negative Bending Bott.
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1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.18	999.00	9.18	999.00	0.00	284.6 (2-Lane)
1.100	10.14	999.00	10.14	999.00	0.00	314.4 (1-Lane)
1.200	5.11	999.00	5.11	999.00	0.00	158.3 (2-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	174.8 (1-Lane)
1.300	3.93	999.00	3.93	999.00	0.00	121.9 (2-Lane)
1.300	4.34	999.00	4.34	999.00	0.00	134.7 (1-Lane)
1.400	3.41	999.00	3.41	999.00	0.00	105.7 (2-Lane)
1.400	3.77	999.00	3.77	999.00	0.00	116.7 (1-Lane)
1.500	3.32	999.00	3.32	999.00	0.00	103.0 (2-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	113.8 (1-Lane)
1.600	3.41	999.00	3.41	999.00	0.00	105.7 (2-Lane)
1.600	3.77	999.00	3.77	999.00	0.00	116.7 (1-Lane)
1.700	3.93	999.00	3.93	999.00	0.00	121.9 (2-Lane)
1.700	4.34	999.00	4.34	999.00	0.00	134.7 (1-Lane)
1.800	5.11	999.00	5.11	999.00	0.00	158.3 (2-Lane)
1.800	5.64	999.00	5.64	999.00	0.00	174.8 (1-Lane)
1.900	9.11	999.00	9.11	999.00	0.00	282.6 (2-Lane)
1.900	10.07	999.00	10.07	999.00	0.00	312.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1718

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	58.65	44.10	61.01	45.87
1.100	39.6	5.3	54.87	41.25	57.07	42.91
1.200	27.0	4.0	47.65	35.83	49.57	37.27
1.300	18.0	2.7	40.43	30.40	42.06	31.62
1.400	9.0	1.3	33.22	24.97	34.55	25.98
1.500	0.0	0.0	26.00	19.55	27.04	20.33
1.600	-9.0	-1.3	-33.22	-24.97	-34.55	-25.98
1.700	-18.0	-2.7	-40.43	-30.40	-42.06	-31.62
1.800	-27.0	-4.0	-47.65	-35.83	-49.57	-37.27
1.900	-36.0	-5.3	-54.87	-41.25	-57.07	-42.91
1.948	-40.3	-11.9	-58.32	-43.85	-60.66	-45.61
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU5

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	-230.7	168.7 (1-Lane)
1.300	97.6	47.4	-176.7	135.4 (2-Lane)
1.300	103.5	47.4	-182.6	141.3 (1-Lane)
1.400	62.5	31.9	-104.8	84.1 (2-Lane)
1.400	66.2	31.9	-108.5	87.8 (1-Lane)
1.500	39.4	50.4	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	-89.8	89.8 (1-Lane)
1.600	62.5	31.9	-84.1	104.8 (2-Lane)
1.600	66.2	31.9	-87.8	108.5 (1-Lane)
1.700	97.6	47.4	-135.4	176.7 (2-Lane)
1.700	103.5	47.4	-141.3	182.6 (1-Lane)
1.800	106.0	82.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	315.52	3.21	0.00	99.4 (2-Lane)
1.048	303.32	3.08	0.00	95.6 (1-Lane)
1.100	118.29	3.89	0.00	120.7 (2-Lane)
1.100	113.72	3.74	0.00	116.0 (1-Lane)
1.200	32.62	3.54	0.00	109.8 (2-Lane)
1.200	31.36	3.40	0.00	105.5 (1-Lane)
1.300	13.82	3.35	0.00	103.8 (2-Lane)
1.300	13.73	3.36	0.00	104.1 (1-Lane)
1.400	5.58	2.53	0.00	78.5 (2-Lane)
1.400	5.55	2.54	0.00	78.8 (1-Lane)
1.500	3.45	3.45	0.00	107.1 (2-Lane)
1.500	3.32	3.32	0.00	102.9 (1-Lane)
1.600	2.53	5.58	0.00	78.5 (2-Lane)
1.600	2.54	5.55	0.00	78.8 (1-Lane)
1.700	3.35	13.82	0.00	103.8 (2-Lane)
1.700	3.36	13.73	0.00	104.1 (1-Lane)
1.800	3.54	32.62	0.00	109.8 (2-Lane)
1.800	3.40	31.36	0.00	105.5 (1-Lane)
1.900	4.04	118.64	0.00	125.2 (2-Lane)
1.900	3.88	114.05	0.00	120.3 (1-Lane)
1.948	3.33	288.95	0.00	103.1 (2-Lane)
1.948	3.20	277.78	0.00	99.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1721

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL	LL
			0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	174.30 R	131.05	157.78 R	118.63
1.200	409.0	60.1	302.74 R	227.62	274.05 R	206.05
1.300	536.8	78.9	389.50 R	292.86	352.59 R	265.10
1.400	613.5	90.2	442.39 R	332.62	400.46 R	301.10
1.500	639.0	94.0	449.43 R	337.91	406.83 R	305.89
1.600	613.5	90.2	442.39 R	332.62	400.46 R	301.10
1.700	536.8	78.9	389.50 R	292.86	352.59 R	265.10
1.800	409.0	60.1	302.74 R	227.62	274.05 R	206.05
1.900	230.0	33.8	174.30 R	131.05	157.78 R	118.63
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1721

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance	Available Resistance for LL+I
	Positive Bending Top Bott.	Negative Bending Top Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	Rating Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	36.74	999.00	12.16	999.00	0.00	376.9 (2-Lane)
1.100	40.58	999.00	13.43	999.00	0.00	416.4 (1-Lane)
1.200	19.58	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.200	21.63	999.00	7.12	999.00	0.00	220.8 (1-Lane)
1.300	14.69	999.00	4.82	999.00	0.00	149.4 (2-Lane)
1.300	16.23	999.00	5.32	999.00	0.00	165.1 (1-Lane)
1.400	12.42	999.00	4.08	999.00	0.00	126.4 (2-Lane)
1.400	13.72	999.00	4.50	999.00	0.00	139.6 (1-Lane)
1.500	11.97	999.00	3.93	999.00	0.00	121.9 (2-Lane)
1.500	13.22	999.00	4.34	999.00	0.00	134.6 (1-Lane)
1.600	12.42	999.00	4.08	999.00	0.00	126.4 (2-Lane)
1.600	13.72	999.00	4.50	999.00	0.00	139.6 (1-Lane)
1.700	14.69	999.00	4.82	999.00	0.00	149.4 (2-Lane)
1.700	16.23	999.00	5.32	999.00	0.00	165.1 (1-Lane)
1.800	19.58	999.00	6.45	999.00	0.00	199.8 (2-Lane)
1.800	21.63	999.00	7.12	999.00	0.00	220.8 (1-Lane)
1.900	36.48	999.00	12.03	999.00	0.00	373.0 (2-Lane)
1.900	40.30	999.00	13.29	999.00	0.00	412.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1723

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	367.91 R	276.62	333.04 R	250.40
1.200	409.0	60.1	663.75 R	499.06	600.84 R	451.76
1.300	536.8	78.9	862.27 R	648.32	780.55 R	586.88
1.400	613.5	90.2	972.57 R	731.26	880.40 R	661.96
1.500	639.0	94.0	1001.70 R	753.16	906.77 R	681.78
1.600	613.5	90.2	972.57 R	731.26	880.40 R	661.96
1.700	536.8	78.9	862.27 R	648.32	780.55 R	586.88
1.800	409.0	60.1	663.75 R	499.06	600.84 R	451.76
1.900	230.0	33.8	367.90 R	276.62	333.04 R	250.40
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0
1.600	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.700	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.800	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.900	3441.3	3441.3	0.0	0.0	3177.4	3177.4	-263.9	-263.9
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.70	999.00	8.70	999.00	0.00	302.3 (2-Lane)
1.100	9.61	999.00	9.61	999.00	0.00	333.9 (1-Lane)
1.200	4.66	999.00	4.66	999.00	0.00	161.8 (2-Lane)
1.200	5.14	999.00	5.14	999.00	0.00	178.8 (1-Lane)
1.300	3.55	999.00	3.55	999.00	0.00	123.5 (2-Lane)
1.300	3.92	999.00	3.92	999.00	0.00	136.4 (1-Lane)
1.400	3.10	999.00	3.10	999.00	0.00	107.8 (2-Lane)
1.400	3.42	999.00	3.42	999.00	0.00	119.0 (1-Lane)
1.500	2.98	999.00	2.98	999.00	0.00	103.6 (2-Lane)
1.500	3.29	999.00	3.29	999.00	0.00	114.4 (1-Lane)
1.600	3.10	999.00	3.10	999.00	0.00	107.8 (2-Lane)
1.600	3.42	999.00	3.42	999.00	0.00	119.0 (1-Lane)
1.700	3.55	999.00	3.55	999.00	0.00	123.5 (2-Lane)

1.700	3.92	999.00	3.92	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 136.4 (1-Lane)
1.800	4.66	999.00	4.66	999.00	0.00 161.8 (2-Lane)
1.800	5.14	999.00	5.14	999.00	0.00 178.8 (1-Lane)
1.900	8.64	999.00	8.64	999.00	0.00 300.1 (2-Lane)
1.900	9.54	999.00	9.54	999.00	0.00 331.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	62.15	46.73	64.65	48.61
1.100	39.6	5.3	57.91	43.54	60.24	45.29
1.200	27.0	4.0	49.82	37.46	51.82	38.96
1.300	18.0	2.7	41.73	31.37	43.41	32.64
1.400	9.0	1.3	33.64	25.29	34.99	26.31
1.500	0.0	0.0	25.55	19.21	26.57	19.98
1.600	-9.0	-1.3	-33.64	-25.29	-34.99	-26.31
1.700	-18.0	-2.7	-41.73	-31.37	-43.41	-32.64
1.800	-27.0	-4.0	-49.82	-37.46	-51.82	-38.96
1.900	-36.0	-5.3	-57.91	-43.54	-60.24	-45.29
1.948	-40.3	-11.9	-61.78	-46.45	-64.26	-48.32
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	95.1	47.4	153.5	-174.2	132.9 (2-Lane)
1.300	100.9	47.4	159.4	-180.0	138.7 (1-Lane)
1.400	60.7	31.9	92.6	-103.0	82.3 (2-Lane)
1.400	64.3	31.9	96.3	-106.6	86.0 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	60.7	31.9	92.6	-82.3	103.0 (2-Lane)
1.600	64.3	31.9	96.3	-86.0	106.6 (1-Lane)
1.700	95.1	47.4	153.5	-132.9	174.2 (2-Lane)
1.700	100.9	47.4	159.4	-138.7	180.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)

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1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	466.42	3.03	0.00	105.2 (2-Lane)
1.048	448.38	2.91	0.00	101.1 (1-Lane)
1.100	200.02	3.69	0.00	128.2 (2-Lane)
1.100	192.29	3.55	0.00	123.2 (1-Lane)
1.200	41.22	3.39	0.00	117.7 (2-Lane)
1.200	39.63	3.26	0.00	113.1 (1-Lane)
1.300	15.17	3.18	0.00	110.7 (2-Lane)
1.300	15.07	3.20	0.00	111.1 (1-Lane)
1.400	5.65	2.45	0.00	85.0 (2-Lane)
1.400	5.62	2.46	0.00	85.4 (1-Lane)
1.500	3.52	3.52	0.00	122.1 (2-Lane)
1.500	3.38	3.38	0.00	117.4 (1-Lane)
1.600	2.45	5.65	0.00	85.0 (2-Lane)
1.600	2.46	5.62	0.00	85.4 (1-Lane)
1.700	3.18	15.17	0.00	110.7 (2-Lane)
1.700	3.20	15.07	0.00	111.1 (1-Lane)
1.800	3.39	41.22	0.00	117.7 (2-Lane)
1.800	3.26	39.63	0.00	113.1 (1-Lane)
1.900	3.83	200.61	0.00	132.9 (2-Lane)
1.900	3.68	192.85	0.00	127.8 (1-Lane)
1.948	3.14	427.15	0.00	109.1 (2-Lane)
1.948	3.02	410.63	0.00	104.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1729

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LG
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	207.4	33.8	183.95 R	138.31	166.52 R	125.20	166.52 R	125.20	125.20
1.200	409.0	60.1	331.87 R	249.53	300.42 R	225.88	300.42 R	225.88	225.88
1.300	536.8	78.9	431.13 R	324.16	390.27 R	293.44	390.27 R	293.44	293.44
1.400	613.5	90.2	486.29 R	365.63	440.20 R	330.98	440.20 R	330.98	330.98
1.500	639.0	94.0	500.85 R	376.58	453.38 R	340.89	453.38 R	340.89	340.89
1.600	613.5	90.2	486.29 R	365.63	440.20 R	330.98	440.20 R	330.98	330.98
1.700	536.8	78.9	431.13 R	324.16	390.27 R	293.44	390.27 R	293.44	293.44
1.800	409.0	60.1	331.87 R	249.53	300.42 R	225.88	300.42 R	225.88	225.88
1.900	230.0	33.8	183.95 R	138.31	166.52 R	125.20	166.52 R	125.20	125.20
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1729

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1730

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09
Rating Type: III-LGL S
Rating Live Load: SU6

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	34.81	999.00	11.52	999.00	0.00	400.3 (2-Lane)
1.100	38.45	999.00	12.73	999.00	0.00	442.2 (1-Lane)
1.200	17.86	999.00	5.88	999.00	0.00	204.3 (2-Lane)
1.200	19.73	999.00	6.50	999.00	0.00	225.7 (1-Lane)
1.300	13.27	999.00	4.36	999.00	0.00	151.3 (2-Lane)
1.300	14.66	999.00	4.81	999.00	0.00	167.2 (1-Lane)
1.400	11.30	999.00	3.71	999.00	0.00	128.9 (2-Lane)
1.400	12.48	999.00	4.10	999.00	0.00	142.4 (1-Lane)
1.500	10.74	999.00	3.53	999.00	0.00	122.6 (2-Lane)
1.500	11.87	999.00	3.90	999.00	0.00	135.4 (1-Lane)
1.600	11.30	999.00	3.71	999.00	0.00	128.9 (2-Lane)
1.600	12.48	999.00	4.10	999.00	0.00	142.4 (1-Lane)
1.700	13.27	999.00	4.36	999.00	0.00	151.3 (2-Lane)
1.700	14.66	999.00	4.81	999.00	0.00	167.2 (1-Lane)
1.800	17.86	999.00	5.88	999.00	0.00	204.3 (2-Lane)
1.800	19.73	999.00	6.50	999.00	0.00	225.7 (1-Lane)
1.900	34.57	999.00	11.40	999.00	0.00	396.1 (2-Lane)
1.900	38.19	999.00	12.59	999.00	0.00	437.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1731

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.048	98.6	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	207.4	33.8	384.95 R		289.43	348.47 R		262.00		262.00
1.200	409.0	60.1	694.34 R		522.06	628.53 R		472.58		472.58
1.300	536.8	78.9	928.16 R		697.87	840.20 R		631.73		631.73
1.400	613.5	90.2	1049.97 R		789.45	950.46 R		714.63		714.63
1.500	639.0	94.0	1087.10 R		817.37	984.07 R		739.90		739.90
1.600	613.5	90.2	1049.97 R		789.45	950.46 R		714.63		714.63
1.700	536.8	78.9	928.16 R		697.87	840.20 R		631.73		631.73
1.800	409.0	60.1	694.34 R		522.06	628.53 R		472.58		472.58
1.900	230.0	33.8	384.95 R		289.43	348.47 R		262.00		262.00
1.948	120.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1732

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3200.1	3200.1	-241.2	-241.2
1.200	3560.5	3560.5	0.0	0.0	3091.3	3091.3	-469.1	-469.1
1.300	3679.7	3679.7	0.0	0.0	3063.9	3063.9	-615.7	-615.7
1.400	3719.4	3719.4	0.0	0.0	3015.7	3015.7	-703.7	-703.7
1.500	3719.4	3719.4	0.0	0.0	2986.4	2986.4	-733.0	-733.0

9999999_20120831cy17_FlexuralRpt.txt
1.600 3719.4 3719.4 0.0 0.0 3015.7 3015.7 -703.7 -703.7
1.700 3679.7 3679.7 0.0 0.0 3063.9 3063.9 -615.7 -615.7
1.800 3560.5 3560.5 0.0 0.0 3091.3 3091.3 -469.1 -469.1
1.900 3441.3 3441.3 0.0 0.0 3177.4 3177.4 -263.9 -263.9
1.948 3384.3 3384.3 0.0 0.0 3264.3 3264.3 -120.0 -120.0
2.000 3322.2 3322.2 0.0 0.0 3322.2 3322.2 0.0 0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1733

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.31	999.00	8.31	999.00	0.00	322.1 (2-Lane)
1.100	9.18	999.00	9.18	999.00	0.00	355.9 (1-Lane)
1.200	4.45	999.00	4.45	999.00	0.00	172.5 (2-Lane)
1.200	4.92	999.00	4.92	999.00	0.00	190.6 (1-Lane)
1.300	3.30	999.00	3.30	999.00	0.00	127.9 (2-Lane)
1.300	3.65	999.00	3.65	999.00	0.00	141.3 (1-Lane)
1.400	2.87	999.00	2.87	999.00	0.00	111.3 (2-Lane)
1.400	3.17	999.00	3.17	999.00	0.00	122.9 (1-Lane)
1.500	2.75	999.00	2.75	999.00	0.00	106.5 (2-Lane)
1.500	3.04	999.00	3.04	999.00	0.00	117.6 (1-Lane)
1.600	2.87	999.00	2.87	999.00	0.00	111.3 (2-Lane)
1.600	3.17	999.00	3.17	999.00	0.00	122.9 (1-Lane)
1.700	3.30	999.00	3.30	999.00	0.00	127.9 (2-Lane)
1.700	3.65	999.00	3.65	999.00	0.00	141.3 (1-Lane)
1.800	4.45	999.00	4.45	999.00	0.00	172.5 (2-Lane)
1.800	4.92	999.00	4.92	999.00	0.00	190.6 (1-Lane)
1.900	8.25	999.00	8.25	999.00	0.00	319.8 (2-Lane)
1.900	9.12	999.00	9.12	999.00	0.00	353.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1734

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.0	65.32	49.11	67.95	51.09
1.100	39.6	5.3	60.59	45.56	63.03	47.39
1.200	27.0	4.0	51.57	38.77	53.64	40.33
1.300	18.0	2.7	42.55	31.99	44.26	33.28
1.400	9.0	1.3	33.53	25.21	34.87	26.22
1.500	0.0	0.0	24.88	18.71	25.88	19.46
1.600	-9.0	-1.3	-33.53	-25.21	-34.87	-26.22
1.700	-18.0	-2.7	-42.55	-31.99	-44.26	-33.28
1.800	-27.0	-4.0	-51.57	-38.77	-53.64	-40.33
1.900	-36.0	-5.3	-60.59	-45.56	-63.03	-47.39
1.948	-40.3	-11.9	-64.90	-48.80	-67.51	-50.76
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1735

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (2-Lane)
1.048	87.6	143.7	242.5	-296.9	188.1 (1-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (2-Lane)
1.100	93.9	153.3	258.4	-303.3	213.6 (1-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (2-Lane)
1.200	106.0	82.7	199.7	-230.7	168.7 (1-Lane)
1.300	93.1	47.4	151.5	-172.2	130.8 (2-Lane)
1.300	98.9	47.4	157.3	-178.0	136.7 (1-Lane)
1.400	58.8	31.9	90.8	-101.1	80.4 (2-Lane)
1.400	62.4	31.9	94.3	-104.6	84.0 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	58.8	31.9	90.8	-80.4	101.1 (2-Lane)
1.600	62.4	31.9	94.3	-84.0	104.7 (1-Lane)
1.700	93.1	47.4	151.5	-130.8	172.2 (2-Lane)
1.700	98.9	47.4	157.3	-136.7	178.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (2-Lane)
1.800	106.0	82.7	199.7	-168.7	230.7 (1-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (2-Lane)
1.900	95.7	156.0	262.8	-221.5	304.2 (1-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (2-Lane)
1.948	89.1	145.9	246.1	-194.0	298.3 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: I-LEGL
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	466.42	2.88	0.00	111.6 (2-Lane)
1.048	448.38	2.77	0.00	107.3 (1-Lane)
1.100	226.55	3.53	0.00	136.6 (2-Lane)
1.100	217.79	3.39	0.00	131.3 (1-Lane)
1.200	54.42	3.27	0.00	126.8 (2-Lane)
1.200	52.32	3.14	0.00	121.9 (1-Lane)
1.300	17.21	3.08	0.00	119.2 (2-Lane)
1.300	17.10	3.09	0.00	119.7 (1-Lane)
1.400	5.88	2.40	0.00	93.0 (2-Lane)
1.400	5.85	2.41	0.00	93.3 (1-Lane)
1.500	3.61	3.61	0.00	139.8 (2-Lane)
1.500	3.47	3.47	0.00	134.4 (1-Lane)
1.600	2.40	5.88	0.00	93.0 (2-Lane)
1.600	2.41	5.85	0.00	93.3 (1-Lane)
1.700	3.08	17.21	0.00	119.2 (2-Lane)
1.700	3.09	17.10	0.00	119.7 (1-Lane)
1.800	3.27	54.42	0.00	126.8 (2-Lane)
1.800	3.14	52.32	0.00	121.9 (1-Lane)
1.900	3.66	227.21	0.00	141.7 (2-Lane)
1.900	3.52	218.43	0.00	136.2 (1-Lane)
1.948	2.99	427.15	0.00	115.8 (2-Lane)
1.948	2.87	410.63	0.00	111.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G09

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.00		1.00		LL		LL	
					0.80		0.80	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	33.8	192.47 R	144.72	174.23 R	131.00

9999999_20120831cy17_FlexuralRpt.txt									
1.200	409.0	60.1	347.17 R	261.03	314.27 R	236.29			
1.300	536.8	78.9	464.08 R	348.93	420.10 R	315.87			
1.400	613.5	90.2	524.98 R	394.73	475.23 R	357.32			
1.500	639.0	94.0	543.55 R	408.68	492.04 R	369.95			
1.600	613.5	90.2	524.98 R	394.73	475.23 R	357.32			
1.700	536.8	78.9	464.08 R	348.93	420.10 R	315.87			
1.800	409.0	60.1	347.17 R	261.03	314.27 R	236.29			
1.900	230.0	33.8	192.47 R	144.72	174.23 R	131.00			
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00			
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00			

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G09									
Rating Type: III-LGL									
Rating Live Load: STRESSES									
Rating Type: SU7									
Rating Live Load:									
Span									
Service Resistance									
Available Resistance for LL+I									
Positive Bending Negative Bending Positive Bending Negative Bending									
Top Bott. Top Bott. Top Bott. Top Bott.									
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6	
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8	
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1	
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6	
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9	
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1	
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.7	-4.2	
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1	
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-3.9	
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6	
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1	
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8	
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6	

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G09									
Rating Type: III-LGL S									
Rating Live Load: SU7									
Service									
Span									
Rating Factor									
top fiber bottom fiber									
+bend -bend +bend -bend									
Rating Value Load Resistance (tons)									
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.100	33.27	999.00	11.01	999.00	0.00	426.6 (2-Lane)			
1.100	36.75	999.00	12.16	999.00	0.00	471.3 (1-Lane)			
1.200	17.07	999.00	5.62	999.00	0.00	217.8 (2-Lane)			
1.200	18.86	999.00	6.21	999.00	0.00	240.6 (1-Lane)			
1.300	12.33	999.00	4.05	999.00	0.00	156.8 (2-Lane)			
1.300	13.62	999.00	4.47	999.00	0.00	173.2 (1-Lane)			
1.400	10.47	999.00	3.43	999.00	0.00	133.1 (2-Lane)			
1.400	11.56	999.00	3.80	999.00	0.00	147.1 (1-Lane)			
1.500	9.90	999.00	3.25	999.00	0.00	126.0 (2-Lane)			
1.500	10.93	999.00	3.59	999.00	0.00	139.1 (1-Lane)			
1.600	10.47	999.00	3.43	999.00	0.00	133.1 (2-Lane)			
1.600	11.56	999.00	3.80	999.00	0.00	147.1 (1-Lane)			
1.700	12.33	999.00	4.05	999.00	0.00	156.8 (2-Lane)			
1.700	13.62	999.00	4.47	999.00	0.00	173.2 (1-Lane)			
1.800	17.07	999.00	5.62	999.00	0.00	217.8 (2-Lane)			
1.800	18.86	999.00	6.21	999.00	0.00	240.6 (1-Lane)			
1.900	33.04	999.00	10.90	999.00	0.00	422.2 (2-Lane)			
1.900	36.49	999.00	12.04	999.00	0.00	466.4 (1-Lane)			
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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BRIDGE / MEMBER DATA

NBI ID 9999999
 Facility Carried I ###
 Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1

Live Load Distribution Factor 0.916

Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 0.916

LRFD LLDF Moment		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF		0.554	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF		0.569	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear		Span 1			Span 2			Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF		0.569	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G10 01-EG010
 Symmetry:

Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5
	56.786	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	18.929	1	2		0.0	0.0
1	2	18.928	2	0		0.0	0.0
1	3	18.929	2	1		0.0	0.0

Range Length -- Composite:			
Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)	
			Left	Right	Length	
1	W	0.000	207.3	207.3	56.786	0.0
1	Z	0.000	124.9	124.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1738

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands	Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33	
1.048	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.64	
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88	
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43	
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98	
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50	
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50	
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50	
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98	
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43	
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88	
1.948	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.58	
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33	

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G10								
Span	Sect. Area	Neutral Top	Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5
1.048	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.63	743.6	157.3	586.3
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	158.7	584.9
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	161.7	581.9
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	167.1	576.5
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	167.4	576.2
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	166.2	577.3
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	167.4	576.2
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	167.1	576.5
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	161.7	581.9
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	158.2	585.3
1.948	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.70	743.6	157.2	586.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G10								
Span	Neutral Top	Axis Bott.	Moment of Inertia	+Bend (n=n)	Section Top	Modulus Bott.	+Bend (n=3n)			
1.000	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.048	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.100	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.200	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.300	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.400	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.500	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.600	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.700	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.800	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.900	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
1.948	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	
2.000	11.90	33.10	357045.8	232222.8	30075.2	10777.7	12362.6		8858.2	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1740

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G10				
Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy	
1.000	72.00	7.50	6.00	0.00	0.00	
1.048	72.00	7.50	6.00	0.00	0.00	
1.100	72.00	7.50	6.00	0.00	0.00	
1.200	72.00	7.50	6.00	0.00	0.00	
1.300	72.00	7.50	6.00	0.00	0.00	
1.400	72.00	7.50	6.00	0.00	0.00	
1.500	72.00	7.50	6.00	0.00	0.00	
1.600	72.00	7.50	6.00	0.00	0.00	
1.700	72.00	7.50	6.00	0.00	0.00	
1.800	72.00	7.50	6.00	0.00	0.00	
1.900	72.00	7.50	6.00	0.00	0.00	
1.948	72.00	7.50	6.00	0.00	0.00	
2.000	72.00	7.50	6.00	0.00	0.00	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1741

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.		G10								
Rating Type:		I-INV								
Rating Live Load:		HL93								
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL	LL	LL	LL	LL	LL	LL	LL
			1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	527.89 R	0.00	421.59	0.00	477.86 R	0.00	381.64	0.00
1.200	409.0	66.8	917.21 R	0.00	733.50	0.00	830.28 R	0.00	663.99	0.00
1.300	536.8	87.7	1167.94 R	0.00	935.73	0.00	1057.25 R	0.00	847.05	0.00
1.400	613.5	100.3	1311.99 R	0.00	1052.27	0.00	1187.66 R	0.00	952.55	0.00
1.500	639.0	104.4	1333.42 R	0.00	1071.13	0.00	1207.05 R	0.00	969.61	0.00
1.600	613.5	100.3	1311.99 R	0.00	1052.27	0.00	1187.66 R	0.00	952.55	0.00
1.700	536.8	87.7	1167.94 R	0.00	935.73	0.00	1057.25 R	0.00	847.05	0.00
1.800	409.0	66.8	917.21 R	0.00	733.50	0.00	830.28 R	0.00	663.99	0.00
1.900	230.0	37.6	527.89 R	0.00	421.59	0.00	477.86 R	0.00	381.64	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Bending Bott.	Resistance Negative Top	LL+I Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	6.05	999.00	6.05	999.00	0.00	218.0 (2-Lane)
1.100	6.69	999.00	6.69	999.00	0.00	240.8 (1-Lane)
1.200	3.36	999.00	3.36	999.00	0.00	121.1 (2-Lane)
1.200	3.71	999.00	3.71	999.00	0.00	133.7 (1-Lane)
1.300	2.62	999.00	2.62	999.00	0.00	94.2 (2-Lane)
1.300	2.89	999.00	2.89	999.00	0.00	104.0 (1-Lane)
1.400	2.29	999.00	2.29	999.00	0.00	82.5 (2-Lane)
1.400	2.53	999.00	2.53	999.00	0.00	91.1 (1-Lane)
1.500	2.23	999.00	2.23	999.00	0.00	80.3 (2-Lane)
1.500	2.46	999.00	2.46	999.00	0.00	88.8 (1-Lane)
1.600	2.29	999.00	2.29	999.00	0.00	82.5 (2-Lane)
1.600	2.53	999.00	2.53	999.00	0.00	91.1 (1-Lane)
1.700	2.62	999.00	2.62	999.00	0.00	94.2 (2-Lane)
1.700	2.89	999.00	2.89	999.00	0.00	104.0 (1-Lane)
1.800	3.36	999.00	3.36	999.00	0.00	121.1 (2-Lane)
1.800	3.71	999.00	3.71	999.00	0.00	133.7 (1-Lane)
1.900	6.01	999.00	6.01	999.00	0.00	216.4 (2-Lane)
1.900	6.64	999.00	6.64	999.00	0.00	239.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1744

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	88.02	0.00	70.10	0.00	91.56	0.00	72.92
1.100	39.6	5.9	81.52	0.00	64.79	0.00	84.80	0.00	67.40
1.200	27.0	4.4	69.40	0.00	54.94	0.00	72.19	0.00	57.15
1.300	18.0	2.9	57.62	0.00	45.44	0.00	59.94	0.00	47.27
1.400	9.0	1.5	46.20	0.00	36.29	0.00	48.05	0.00	37.75
1.500	0.0	0.0	35.12	0.00	27.48	0.00	36.53	0.00	28.59
1.600	-9.0	-1.5	-46.20	0.00	-36.29	0.00	-48.05	0.00	-37.75
1.700	-18.0	-2.9	-57.62	0.00	-45.44	0.00	-59.94	0.00	-47.27
1.800	-27.0	-4.4	-69.40	0.00	-54.94	0.00	-72.19	0.00	-57.15
1.900	-36.0	-5.9	-81.52	0.00	-64.79	0.00	-84.80	0.00	-67.40
1.948	-40.3	-13.2	-87.44	0.00	-69.63	0.00	-90.96	0.00	-72.43
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	97.9	47.4	156.3	-177.3	135.4 (2-Lane)
1.300	104.7	47.4	163.1	-184.1	142.2 (1-Lane)
1.400	63.5	31.9	95.4	-105.9	84.9 (2-Lane)
1.400	67.8	31.9	99.7	-110.2	89.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	41.2	50.4	91.6	-91.6	91.6 (1-Lane)
1.600	63.5	31.9	95.4	-84.9	105.9 (2-Lane)
1.600	67.8	31.9	99.7	-89.2	110.2 (1-Lane)
1.700	97.9	47.4	156.3	-135.4	177.3 (2-Lane)
1.700	104.7	47.4	163.1	-142.2	184.1 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	153.94	2.12	0.00	76.4 (2-Lane)
1.048	147.99	2.04	0.00	73.4 (1-Lane)
1.100	73.68	2.61	0.00	94.0 (2-Lane)
1.100	70.84	2.51	0.00	90.4 (1-Lane)
1.200	20.66	2.42	0.00	87.3 (2-Lane)
1.200	19.86	2.33	0.00	83.9 (1-Lane)
1.300	9.62	2.35	0.00	84.6 (2-Lane)
1.300	9.61	2.37	0.00	85.4 (1-Lane)
1.400	4.07	1.84	0.00	66.2 (2-Lane)
1.400	4.07	1.86	0.00	66.9 (1-Lane)
1.500	2.56	2.56	0.00	92.1 (2-Lane)
1.500	2.51	2.51	0.00	90.3 (1-Lane)
1.600	1.84	4.07	0.00	66.2 (2-Lane)
1.600	1.86	4.07	0.00	66.9 (1-Lane)
1.700	2.35	9.62	0.00	84.6 (2-Lane)
1.700	2.37	9.61	0.00	85.4 (1-Lane)
1.800	2.42	20.66	0.00	87.3 (2-Lane)
1.800	2.33	19.86	0.00	83.9 (1-Lane)
1.900	2.71	70.91	0.00	97.6 (2-Lane)
1.900	2.61	68.17	0.00	93.8 (1-Lane)
1.948	2.20	137.90	0.00	79.3 (2-Lane)
1.948	2.12	132.57	0.00	76.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1747

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN
Rating Live Load: HL93

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	241.32 R	0.00	192.73	0.00	218.45 R	0.00	174.46	0.00
1.200	327.2	53.5	419.29 R	0.00	335.32	0.00	379.56 R	0.00	303.54	0.00
1.300	429.4	70.2	533.91 R	0.00	427.76	0.00	483.31 R	0.00	387.22	0.00
1.400	490.8	80.2	599.77 R	0.00	481.04	0.00	542.93 R	0.00	435.45	0.00
1.500	511.2	83.6	609.57 R	0.00	489.66	0.00	551.80 R	0.00	443.25	0.00
1.600	490.8	80.2	599.77 R	0.00	481.04	0.00	542.93 R	0.00	435.45	0.00
1.700	429.4	70.2	533.91 R	0.00	427.76	0.00	483.31 R	0.00	387.22	0.00
1.800	327.2	53.5	419.29 R	0.00	335.32	0.00	379.56 R	0.00	303.54	0.00
1.900	184.0	30.1	241.32 R	0.00	192.73	0.00	218.45 R	0.00	174.46	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1747

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	26.50	999.00	8.77	999.00	0.00	315.6 (2-Lane)
1.100	29.28	999.00	9.68	999.00	0.00	348.6 (1-Lane)
1.200	14.10	999.00	4.64	999.00	0.00	167.0 (2-Lane)
1.200	15.58	999.00	5.12	999.00	0.00	184.5 (1-Lane)
1.300	10.68	999.00	3.50	999.00	0.00	126.0 (2-Lane)
1.300	11.80	999.00	3.87	999.00	0.00	139.2 (1-Lane)
1.400	9.13	999.00	2.99	999.00	0.00	107.7 (2-Lane)
1.400	10.09	999.00	3.30	999.00	0.00	118.9 (1-Lane)
1.500	8.79	999.00	2.88	999.00	0.00	103.7 (2-Lane)
1.500	9.71	999.00	3.18	999.00	0.00	114.6 (1-Lane)

1.600	9.13	999.00	2.99	999.00	0.00	107.7	(2-Lane)
1.600	10.09	999.00	3.30	999.00	0.00	118.9	(1-Lane)
1.700	10.68	999.00	3.50	999.00	0.00	126.0	(2-Lane)
1.700	11.80	999.00	3.87	999.00	0.00	139.2	(1-Lane)
1.800	14.10	999.00	4.64	999.00	0.00	167.0	(2-Lane)
1.800	15.58	999.00	5.12	999.00	0.00	184.5	(1-Lane)
1.900	26.32	999.00	8.68	999.00	0.00	312.3	(2-Lane)
1.900	29.07	999.00	9.58	999.00	0.00	345.0	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	428.43 R	0.00	322.13	0.00	387.83 R	0.00	291.60	0.00
1.200	409.0	66.8	740.38 R	0.00	556.68	0.00	670.22 R	0.00	503.92	0.00
1.300	536.8	87.7	935.86 R	0.00	703.65	0.00	847.16 R	0.00	636.97	0.00
1.400	613.5	100.3	1046.76 R	0.00	787.04	0.00	947.56 R	0.00	712.45	0.00
1.500	639.0	104.4	1057.14 R	0.00	794.84	0.00	956.95 R	0.00	719.51	0.00
1.600	613.5	100.3	1046.76 R	0.00	787.04	0.00	947.56 R	0.00	712.45	0.00
1.700	536.8	87.7	935.86 R	0.00	703.65	0.00	847.16 R	0.00	636.97	0.00
1.800	409.0	66.8	740.38 R	0.00	556.68	0.00	670.22 R	0.00	503.92	0.00
1.900	230.0	37.6	428.43 R	0.00	322.13	0.00	387.83 R	0.00	291.60	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1750

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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1.100	7.46	999.00	7.46	999.00	149.21 268.6 (2-Lane)
1.100	8.24	999.00	8.24	999.00	164.83 296.7 (1-Lane)
1.200	4.17	999.00	4.17	999.00	83.33 150.0 (2-Lane)
1.200	4.60	999.00	4.60	999.00	92.05 165.7 (1-Lane)
1.300	3.27	999.00	3.27	999.00	65.29 117.5 (2-Lane)
1.300	3.61	999.00	3.61	999.00	72.13 129.8 (1-Lane)
1.400	2.87	999.00	2.87	999.00	57.43 103.4 (2-Lane)
1.400	3.17	999.00	3.17	999.00	63.44 114.2 (1-Lane)
1.500	2.82	999.00	2.82	999.00	56.30 101.3 (2-Lane)
1.500	3.11	999.00	3.11	999.00	62.20 112.0 (1-Lane)
1.600	2.87	999.00	2.87	999.00	57.43 103.4 (2-Lane)
1.600	3.17	999.00	3.17	999.00	63.44 114.2 (1-Lane)
1.700	3.27	999.00	3.27	999.00	65.29 117.5 (2-Lane)
1.700	3.61	999.00	3.61	999.00	72.13 129.8 (1-Lane)
1.800	4.17	999.00	4.17	999.00	83.33 150.0 (2-Lane)
1.800	4.60	999.00	4.60	999.00	92.05 165.7 (1-Lane)
1.900	7.41	999.00	7.41	999.00	148.15 266.7 (2-Lane)
1.900	8.18	999.00	8.18	999.00	163.66 294.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	72.24	0.00	54.32	0.00	75.15	0.00	56.50	0.00
1.100	39.6	5.9	67.43	0.00	50.70	0.00	70.15	0.00	52.74	0.00
1.200	27.0	4.4	58.27	0.00	43.81	0.00	60.61	0.00	45.57	0.00
1.300	18.0	2.9	49.10	0.00	36.92	0.00	51.07	0.00	38.40	0.00
1.400	9.0	1.5	39.93	0.00	30.03	0.00	41.54	0.00	31.23	0.00
1.500	0.0	0.0	30.77	0.00	23.13	0.00	32.00	0.00	24.06	0.00
1.600	-9.0	-1.5	-39.93	0.00	-30.03	0.00	-41.54	0.00	-31.23	0.00
1.700	-18.0	-2.9	-49.10	0.00	-36.92	0.00	-51.07	0.00	-38.40	0.00
1.800	-27.0	-4.4	-58.27	0.00	-43.81	0.00	-60.61	0.00	-45.57	0.00
1.900	-36.0	-5.9	-67.43	0.00	-50.70	0.00	-70.15	0.00	-52.74	0.00
1.948	-40.3	-13.2	-71.82	0.00	-54.00	0.00	-74.71	0.00	-56.17	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	99.6	47.4	158.0	-179.0	137.1 (2-Lane)
1.300	106.0	47.4	164.5	-185.4	143.5 (1-Lane)
1.400	64.5	31.9	96.4	-106.9	86.0 (2-Lane)
1.400	68.6	31.9	100.5	-111.0	90.0 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	41.4	50.4	91.7	-91.7	91.7 (1-Lane)
1.600	64.5	31.9	96.4	-86.0	106.9 (2-Lane)
1.600	68.6	31.9	100.5	-90.1	111.0 (1-Lane)
1.700	99.6	47.4	158.0	-137.1	179.0 (2-Lane)
1.700	106.0	47.4	164.5	-143.5	185.4 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	153.94	2.59	51.70	93.1 (2-Lane)
1.048	147.99	2.48	49.70	89.5 (1-Lane)
1.100	74.58	3.16	63.16	113.7 (2-Lane)
1.100	71.70	3.04	60.72	109.3 (1-Lane)
1.200	28.37	2.89	57.76	104.0 (2-Lane)
1.200	27.27	2.78	55.53	100.0 (1-Lane)
1.300	12.43	2.79	55.83	100.5 (2-Lane)
1.300	12.38	2.81	56.20	101.2 (1-Lane)
1.400	4.74	2.15	43.05	77.5 (2-Lane)
1.400	4.73	2.17	43.35	78.0 (1-Lane)
1.500	2.92	2.92	58.38	105.1 (2-Lane)
1.500	2.87	2.87	57.33	103.2 (1-Lane)
1.600	2.15	4.74	43.05	77.5 (2-Lane)
1.600	2.17	4.73	43.36	78.0 (1-Lane)
1.700	2.79	12.43	55.83	100.5 (2-Lane)
1.700	2.81	12.38	56.20	101.2 (1-Lane)
1.800	2.89	28.37	57.76	104.0 (2-Lane)
1.800	2.78	27.27	55.53	100.0 (1-Lane)
1.900	3.28	74.80	65.53	118.0 (2-Lane)
1.900	3.15	71.91	63.00	113.4 (1-Lane)
1.948	2.68	140.97	53.64	96.6 (2-Lane)
1.948	2.58	135.52	51.57	92.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	195.85 R	0.00	147.26	0.00	177.29 R	0.00	133.30	0.00
1.200	327.2	53.5	338.46 R	0.00	254.48	0.00	306.38 R	0.00	230.36	0.00
1.300	429.4	70.2	427.82 R	0.00	321.67	0.00	387.28 R	0.00	291.18	0.00
1.400	490.8	80.2	478.52 R	0.00	359.79	0.00	433.17 R	0.00	325.69	0.00
1.500	511.2	83.6	483.26 R	0.00	363.36	0.00	437.46 R	0.00	328.92	0.00
1.600	490.8	80.2	478.52 R	0.00	359.79	0.00	433.17 R	0.00	325.69	0.00
1.700	429.4	70.2	427.82 R	0.00	321.67	0.00	387.28 R	0.00	291.18	0.00
1.800	327.2	53.5	338.46 R	0.00	254.48	0.00	306.38 R	0.00	230.36	0.00
1.900	184.0	30.1	195.85 R	0.00	147.26	0.00	177.29 R	0.00	133.30	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1755

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1

1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	32.65	999.00	10.80	999.00	216.02	388.8 (2-Lane)
1.100	36.07	999.00	11.93	999.00	238.63	429.5 (1-Lane)
1.200	17.47	999.00	5.75	999.00	114.93	206.9 (2-Lane)
1.200	19.30	999.00	6.35	999.00	126.96	228.5 (1-Lane)
1.300	13.33	999.00	4.37	999.00	87.37	157.3 (2-Lane)
1.300	14.73	999.00	4.83	999.00	96.52	173.7 (1-Lane)
1.400	11.44	999.00	3.75	999.00	74.97	134.9 (2-Lane)
1.400	12.64	999.00	4.14	999.00	82.81	149.1 (1-Lane)
1.500	11.09	999.00	3.63	999.00	72.70	130.9 (2-Lane)
1.500	12.25	999.00	4.02	999.00	80.31	144.6 (1-Lane)
1.600	11.44	999.00	3.75	999.00	74.97	134.9 (2-Lane)
1.600	12.64	999.00	4.14	999.00	82.81	149.1 (1-Lane)
1.700	13.33	999.00	4.37	999.00	87.37	157.3 (2-Lane)
1.700	14.73	999.00	4.83	999.00	96.52	173.7 (1-Lane)
1.800	17.47	999.00	5.75	999.00	114.93	206.9 (2-Lane)
1.800	19.30	999.00	6.35	999.00	126.96	228.5 (1-Lane)
1.900	32.43	999.00	10.69	999.00	213.77	384.8 (2-Lane)
1.900	35.82	999.00	11.81	999.00	236.15	425.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	311.01 R	0.00	233.84	0.00	281.53 R	0.00	211.68	0.00
1.200	409.0	66.8	541.12 R	0.00	406.86	0.00	489.84 R	0.00	368.30	0.00
1.300	536.8	87.7	690.35 R	0.00	519.06	0.00	624.93 R	0.00	469.87	0.00
1.400	613.5	100.3	775.79 R	0.00	583.30	0.00	702.27 R	0.00	528.02	0.00
1.500	639.0	104.4	791.73 R	0.00	595.29	0.00	716.70 R	0.00	538.87	0.00
1.600	613.5	100.3	775.79 R	0.00	583.30	0.00	702.27 R	0.00	528.02	0.00
1.700	536.8	87.7	690.35 R	0.00	519.06	0.00	624.93 R	0.00	469.87	0.00
1.800	409.0	66.8	541.12 R	0.00	406.86	0.00	489.84 R	0.00	368.30	0.00
1.900	230.0	37.6	311.01 R	0.00	233.84	0.00	281.53 R	0.00	211.68	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-INV
 Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-INV
 Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.28	999.00	10.28	999.00	0.00	256.9 (2-Lane)
1.100	11.35	999.00	11.35	999.00	0.00	283.8 (1-Lane)
1.200	5.70	999.00	5.70	999.00	0.00	142.5 (2-Lane)
1.200	6.30	999.00	6.30	999.00	0.00	157.4 (1-Lane)
1.300	4.43	999.00	4.43	999.00	0.00	110.6 (2-Lane)
1.300	4.89	999.00	4.89	999.00	0.00	122.2 (1-Lane)
1.400	3.87	999.00	3.87	999.00	0.00	96.9 (2-Lane)
1.400	4.28	999.00	4.28	999.00	0.00	107.0 (1-Lane)
1.500	3.76	999.00	3.76	999.00	0.00	94.0 (2-Lane)
1.500	4.15	999.00	4.15	999.00	0.00	103.8 (1-Lane)
1.600	3.87	999.00	3.87	999.00	0.00	96.9 (2-Lane)
1.600	4.28	999.00	4.28	999.00	0.00	107.0 (1-Lane)
1.700	4.43	999.00	4.43	999.00	0.00	110.6 (2-Lane)
1.700	4.89	999.00	4.89	999.00	0.00	122.2 (1-Lane)
1.800	5.70	999.00	5.70	999.00	0.00	142.5 (2-Lane)
1.800	6.30	999.00	6.30	999.00	0.00	157.4 (1-Lane)
1.900	10.20	999.00	10.20	999.00	0.00	255.1 (2-Lane)
1.900	11.27	999.00	11.27	999.00	0.00	281.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-INV
 Rating Live Load: 3

Span	DC		DW		(2-Lane)		(1-Lane)	
	Gamma	LL	Gamma	LL	LL	LL	LL	LL
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	52.29	0.00	39.32	0.00	54.39	0.00
1.100	39.6	5.9	48.95	0.00	36.81	0.00	50.92	0.00
1.200	27.0	4.4	42.59	0.00	32.02	0.00	44.30	0.00
1.300	18.0	2.9	36.22	0.00	27.23	0.00	37.68	0.00
1.400	9.0	1.5	29.85	0.00	22.45	0.00	31.05	0.00
1.500	0.0	0.0	23.49	0.00	17.66	0.00	24.43	0.00
1.600	-9.0	-1.5	-29.85	0.00	-22.45	0.00	-31.05	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.700	-18.0	-2.9	-36.22	0.00	-27.23	0.00	-37.68	0.00	-28.33
1.800	-27.0	-4.4	-42.59	0.00	-32.02	0.00	-44.30	0.00	-33.31
1.900	-36.0	-5.9	-48.95	0.00	-36.81	0.00	-50.92	0.00	-38.29
1.948	-40.3	-13.2	-52.00	0.00	-39.09	0.00	-54.09	0.00	-40.67
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

I-INV

Rating Live Load:

3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	97.3	47.4	155.8	-176.7	134.8 (2-Lane)
1.300	102.8	47.4	161.2	-182.2	140.3 (1-Lane)
1.400	62.1	31.9	94.0	-104.5	83.6 (2-Lane)
1.400	65.6	31.9	97.5	-108.0	87.0 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.1	31.9	94.0	-83.6	104.5 (2-Lane)
1.600	65.6	31.9	97.5	-87.0	108.0 (1-Lane)
1.700	97.3	47.4	155.8	-134.8	176.7 (2-Lane)
1.700	102.8	47.4	161.2	-140.3	182.2 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

I-INV

Rating Live Load:

3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	289.77	3.57	0.00	89.3 (2-Lane)
1.048	278.57	3.43	0.00	85.8 (1-Lane)
1.100	108.36	4.35	0.00	108.8 (2-Lane)
1.100	104.17	4.18	0.00	104.6 (1-Lane)
1.200	32.40	3.95	0.00	98.8 (2-Lane)
1.200	31.15	3.80	0.00	95.0 (1-Lane)
1.300	15.42	3.72	0.00	93.1 (2-Lane)
1.300	15.28	3.72	0.00	93.1 (1-Lane)
1.400	6.10	2.80	0.00	70.0 (2-Lane)
1.400	6.06	2.80	0.00	70.1 (1-Lane)
1.500	3.82	3.82	0.00	95.6 (2-Lane)
1.500	3.67	3.67	0.00	91.9 (1-Lane)
1.600	2.80	6.10	0.00	70.0 (2-Lane)
1.600	2.80	6.06	0.00	70.1 (1-Lane)
1.700	3.72	15.42	0.00	93.1 (2-Lane)
1.700	3.72	15.28	0.00	93.1 (1-Lane)
1.800	3.95	32.40	0.00	98.8 (2-Lane)
1.800	3.80	31.15	0.00	95.0 (1-Lane)
1.900	4.51	108.68	0.00	112.8 (2-Lane)
1.900	4.34	104.47	0.00	108.5 (1-Lane)
1.948	3.70	265.36	0.00	92.6 (2-Lane)
1.948	3.56	255.10	0.00	89.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	142.17 R	0.00	106.90	0.00	128.70 R	0.00	96.77	0.00
1.200	327.2	53.5	247.37 R	0.00	185.99	0.00	223.93 R	0.00	168.37	0.00
1.300	429.4	70.2	315.59 R	0.00	237.29	0.00	285.68 R	0.00	214.80	0.00
1.400	490.8	80.2	354.65 R	0.00	266.65	0.00	321.04 R	0.00	241.38	0.00
1.500	511.2	83.6	361.94 R	0.00	272.13	0.00	327.63 R	0.00	246.34	0.00
1.600	490.8	80.2	354.65 R	0.00	266.65	0.00	321.04 R	0.00	241.38	0.00
1.700	429.4	70.2	315.59 R	0.00	237.29	0.00	285.68 R	0.00	214.80	0.00
1.800	327.2	53.5	247.37 R	0.00	185.99	0.00	223.93 R	0.00	168.37	0.00
1.900	184.0	30.1	142.17 R	0.00	106.90	0.00	128.70 R	0.00	96.77	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1763

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S
Rating Live Load: 3

Service

Span	top +bend	Rating Factor		bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
		fiber -bend	fiber -bend				
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	44.98	999.00	14.88	999.00	999.00	0.00	372.0 (2-Lane)
1.100	49.69	999.00	16.44	999.00	999.00	0.00	410.9 (1-Lane)
1.200	23.91	999.00	7.86	999.00	999.00	0.00	196.6 (2-Lane)
1.200	26.41	999.00	8.69	999.00	999.00	0.00	217.1 (1-Lane)
1.300	18.08	999.00	5.92	999.00	999.00	0.00	148.1 (2-Lane)
1.300	19.97	999.00	6.54	999.00	999.00	0.00	163.6 (1-Lane)
1.400	15.44	999.00	5.06	999.00	999.00	0.00	126.4 (2-Lane)
1.400	17.06	999.00	5.59	999.00	999.00	0.00	139.7 (1-Lane)
1.500	14.81	999.00	4.85	999.00	999.00	0.00	121.3 (2-Lane)
1.500	16.36	999.00	5.36	999.00	999.00	0.00	134.0 (1-Lane)
1.600	15.44	999.00	5.06	999.00	999.00	0.00	126.4 (2-Lane)
1.600	17.06	999.00	5.59	999.00	999.00	0.00	139.7 (1-Lane)
1.700	18.08	999.00	5.92	999.00	999.00	0.00	148.1 (2-Lane)
1.700	19.97	999.00	6.54	999.00	999.00	0.00	163.6 (1-Lane)
1.800	23.91	999.00	7.86	999.00	999.00	0.00	196.6 (2-Lane)

1.800	26.41	999.00	8.69	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 217.1 (1-Lane)
1.900	44.67	999.00	14.72	999.00	0.00 368.1 (2-Lane)
1.900	49.35	999.00	16.26	999.00	0.00 406.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	367.02 R	0.00	275.95	0.00	332.23 R	0.00	249.80	0.00
1.200	409.0	66.8	604.61 R	0.00	454.60	0.00	547.31 R	0.00	411.51	0.00
1.300	536.8	87.7	791.42 R	0.00	595.05	0.00	716.42 R	0.00	538.66	0.00
1.400	613.5	100.3	876.15 R	0.00	658.76	0.00	793.12 R	0.00	596.33	0.00
1.500	639.0	104.4	859.96 R	0.00	646.58	0.00	778.46 R	0.00	585.31	0.00
1.600	613.5	100.3	876.15 R	0.00	658.76	0.00	793.12 R	0.00	596.33	0.00
1.700	536.8	87.7	791.42 R	0.00	595.05	0.00	716.42 R	0.00	538.66	0.00
1.800	409.0	66.8	604.61 R	0.00	454.60	0.00	547.31 R	0.00	411.51	0.00
1.900	230.0	37.6	367.02 R	0.00	275.95	0.00	332.23 R	0.00	249.80	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1766

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3S2

Moment

Span	Rating top fiber +bend	Factor fiber -bend	Rating bottom fiber +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.71	999.00	8.71	999.00	0.00	348.4 (2-Lane)
1.100	9.62	999.00	9.62	999.00	0.00	384.8 (1-Lane)
1.200	5.10	999.00	5.10	999.00	0.00	204.1 (2-Lane)
1.200	5.64	999.00	5.64	999.00	0.00	225.4 (1-Lane)
1.300	3.86	999.00	3.86	999.00	0.00	154.4 (2-Lane)
1.300	4.26	999.00	4.26	999.00	0.00	170.6 (1-Lane)

1.400	3.43	999.00	3.43	999.00	0.00	137.2 (2-Lane)
1.400	3.79	999.00	3.79	999.00	0.00	151.6 (1-Lane)
1.500	3.46	999.00	3.46	999.00	0.00	138.4 (2-Lane)
1.500	3.82	999.00	3.82	999.00	0.00	152.9 (1-Lane)
1.600	3.43	999.00	3.43	999.00	0.00	137.2 (2-Lane)
1.600	3.79	999.00	3.79	999.00	0.00	151.6 (1-Lane)
1.700	3.86	999.00	3.86	999.00	0.00	154.4 (2-Lane)
1.700	4.26	999.00	4.26	999.00	0.00	170.6 (1-Lane)
1.800	5.10	999.00	5.10	999.00	0.00	204.1 (2-Lane)
1.800	5.64	999.00	5.64	999.00	0.00	225.4 (1-Lane)
1.900	8.65	999.00	8.65	999.00	0.00	345.9 (2-Lane)
1.900	9.55	999.00	9.55	999.00	0.00	382.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	63.11	0.00	47.45	0.00	65.65	0.00	49.36	0.00
1.100	39.6	5.9	57.77	0.00	43.43	0.00	60.09	0.00	45.18	0.00
1.200	27.0	4.4	47.58	0.00	35.78	0.00	49.50	0.00	37.21	0.00
1.300	18.0	2.9	37.73	0.00	28.37	0.00	39.25	0.00	29.51	0.00
1.400	9.0	1.5	29.31	0.00	22.03	0.00	30.48	0.00	22.92	0.00
1.500	0.0	0.0	21.03	0.00	15.81	0.00	21.88	0.00	16.45	0.00
1.600	-9.0	-1.5	-29.31	0.00	-22.03	0.00	-30.48	0.00	-22.92	0.00
1.700	-18.0	-2.9	-37.73	0.00	-28.37	0.00	-39.25	0.00	-29.51	0.00
1.800	-27.0	-4.4	-47.58	0.00	-35.78	0.00	-49.50	0.00	-37.21	0.00
1.900	-36.0	-5.9	-57.77	0.00	-43.43	0.00	-60.09	0.00	-45.18	0.00
1.948	-40.3	-13.2	-62.64	0.00	-47.10	0.00	-65.16	0.00	-48.99	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	94.1	47.4	152.5	-173.5	131.6 (2-Lane)
1.300	99.6	47.4	158.0	-179.0	137.1 (1-Lane)
1.400	59.0	31.9	90.9	-101.4	80.4 (2-Lane)
1.400	62.3	31.9	94.2	-104.7	83.7 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.0	31.9	90.9	-80.4	101.4 (2-Lane)
1.600	62.3	31.9	94.2	-83.7	104.7 (1-Lane)
1.700	94.1	47.4	152.5	-131.6	173.5 (2-Lane)
1.700	99.6	47.4	158.0	-137.1	179.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	289.77	2.96	0.00	118.4 (2-Lane)
1.048	278.57	2.84	0.00	113.8 (1-Lane)
1.100	108.36	3.69	0.00	147.5 (2-Lane)
1.100	104.17	3.54	0.00	141.8 (1-Lane)
1.200	32.40	3.54	0.00	141.5 (2-Lane)
1.200	31.15	3.40	0.00	136.0 (1-Lane)
1.300	15.14	3.49	0.00	139.5 (2-Lane)
1.300	15.01	3.49	0.00	139.7 (1-Lane)
1.400	6.42	2.74	0.00	109.8 (2-Lane)
1.400	6.37	2.75	0.00	109.9 (1-Lane)
1.500	4.27	4.27	0.00	170.8 (2-Lane)
1.500	4.11	4.11	0.00	164.2 (1-Lane)
1.600	2.74	6.42	0.00	109.8 (2-Lane)
1.600	2.75	6.37	0.00	109.9 (1-Lane)
1.700	3.49	15.14	0.00	139.5 (2-Lane)
1.700	3.49	15.01	0.00	139.7 (1-Lane)
1.800	3.54	32.40	0.00	141.5 (2-Lane)
1.800	3.40	31.15	0.00	136.0 (1-Lane)
1.900	3.83	108.68	0.00	153.0 (2-Lane)
1.900	3.68	104.47	0.00	147.1 (1-Lane)
1.948	3.08	265.36	0.00	123.0 (2-Lane)
1.948	2.96	255.10	0.00	118.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	167.78 R	0.00	126.15	0.00	151.88 R	0.00	114.19	0.00
1.200	327.2	53.5	276.40 R	0.00	207.82	0.00	250.20 R	0.00	188.12	0.00
1.300	429.4	70.2	361.79 R	0.00	272.02	0.00	327.50 R	0.00	246.24	0.00
1.400	490.8	80.2	400.53 R	0.00	301.15	0.00	362.57 R	0.00	272.61	0.00
1.500	511.2	83.6	393.12 R	0.00	295.58	0.00	355.87 R	0.00	267.57	0.00
1.600	490.8	80.2	400.53 R	0.00	301.15	0.00	362.57 R	0.00	272.61	0.00
1.700	429.4	70.2	361.79 R	0.00	272.02	0.00	327.50 R	0.00	246.24	0.00
1.800	327.2	53.5	276.40 R	0.00	207.82	0.00	250.20 R	0.00	188.12	0.00
1.900	184.0	30.1	167.78 R	0.00	126.15	0.00	151.88 R	0.00	114.19	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1771

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1

1.948 2.9 2.7 -2.9 -2.7 2.8 2.5 -3.1 -2.8
2.000 2.8 2.6 -2.8 -2.6 2.8 2.6 -2.8 -2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	38.12	999.00	12.61	999.00	0.00	504.3 (2-Lane)
1.100	42.11	999.00	13.93	999.00	0.00	557.1 (1-Lane)
1.200	21.40	999.00	7.04	999.00	0.00	281.5 (2-Lane)
1.200	23.64	999.00	7.77	999.00	0.00	310.9 (1-Lane)
1.300	15.77	999.00	5.17	999.00	0.00	206.6 (2-Lane)
1.300	17.42	999.00	5.71	999.00	0.00	228.3 (1-Lane)
1.400	13.67	999.00	4.48	999.00	0.00	179.1 (2-Lane)
1.400	15.10	999.00	4.95	999.00	0.00	197.9 (1-Lane)
1.500	13.63	999.00	4.47	999.00	0.00	178.7 (2-Lane)
1.500	15.06	999.00	4.94	999.00	0.00	197.4 (1-Lane)
1.600	13.67	999.00	4.48	999.00	0.00	179.1 (2-Lane)
1.600	15.10	999.00	4.95	999.00	0.00	197.9 (1-Lane)
1.700	15.77	999.00	5.17	999.00	0.00	206.6 (2-Lane)
1.700	17.42	999.00	5.71	999.00	0.00	228.3 (1-Lane)
1.800	21.40	999.00	7.04	999.00	0.00	281.5 (2-Lane)
1.800	23.64	999.00	7.77	999.00	0.00	310.9 (1-Lane)
1.900	37.85	999.00	12.48	999.00	0.00	499.1 (2-Lane)
1.900	41.82	999.00	13.78	999.00	0.00	551.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: 3-3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	314.98 R	0.00	236.83	0.00	285.13 R	0.00	214.39	0.00
1.200	409.0	66.8	519.96 R	0.00	390.95	0.00	470.68 R	0.00	353.90	0.00
1.300	536.8	87.7	651.40 R	0.00	489.77	0.00	589.66 R	0.00	443.36	0.00
1.400	613.5	100.3	684.22 R	0.00	514.45	0.00	619.38 R	0.00	465.70	0.00
1.500	639.0	104.4	725.55 R	0.00	545.53	0.00	656.79 R	0.00	493.83	0.00
1.600	613.5	100.3	684.22 R	0.00	514.45	0.00	619.38 R	0.00	465.70	0.00
1.700	536.8	87.7	651.40 R	0.00	489.77	0.00	589.66 R	0.00	443.36	0.00
1.800	409.0	66.8	519.96 R	0.00	390.95	0.00	470.68 R	0.00	353.90	0.00
1.900	230.0	37.6	314.98 R	0.00	236.83	0.00	285.13 R	0.00	214.39	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: 3-3

Span Moment Resistance Available Resistance for LL+I
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	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.15	999.00	10.15	999.00	0.00	405.9 (2-Lane)
1.100	11.21	999.00	11.21	999.00	0.00	448.4 (1-Lane)
1.200	5.93	999.00	5.93	999.00	0.00	237.3 (2-Lane)
1.200	6.55	999.00	6.55	999.00	0.00	262.1 (1-Lane)
1.300	4.69	999.00	4.69	999.00	0.00	187.6 (2-Lane)
1.300	5.18	999.00	5.18	999.00	0.00	207.2 (1-Lane)
1.400	4.39	999.00	4.39	999.00	0.00	175.7 (2-Lane)
1.400	4.85	999.00	4.85	999.00	0.00	194.1 (1-Lane)
1.500	4.10	999.00	4.10	999.00	0.00	164.1 (2-Lane)
1.500	4.53	999.00	4.53	999.00	0.00	181.2 (1-Lane)
1.600	4.39	999.00	4.39	999.00	0.00	175.7 (2-Lane)
1.600	4.85	999.00	4.85	999.00	0.00	194.1 (1-Lane)
1.700	4.69	999.00	4.69	999.00	0.00	187.6 (2-Lane)
1.700	5.18	999.00	5.18	999.00	0.00	207.2 (1-Lane)
1.800	5.93	999.00	5.93	999.00	0.00	237.3 (2-Lane)
1.800	6.55	999.00	6.55	999.00	0.00	262.1 (1-Lane)
1.900	10.08	999.00	10.08	999.00	0.00	403.0 (2-Lane)
1.900	11.13	999.00	11.13	999.00	0.00	445.2 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75	(1-Lane) LL 1.75
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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	54.14	0.00	40.71	0.00	56.32	0.00
1.100	39.6	5.9	49.58	0.00	37.28	0.00	51.57	0.00
1.200	27.0	4.4	40.92	0.00	30.77	0.00	42.57	0.00
1.300	18.0	2.9	32.26	0.00	24.26	0.00	33.56	0.00
1.400	9.0	1.5	25.18	0.00	18.93	0.00	26.19	0.00
1.500	0.0	0.0	19.58	0.00	14.72	0.00	20.37	0.00
1.600	-9.0	-1.5	-25.18	0.00	-18.93	0.00	-26.19	0.00
1.700	-18.0	-2.9	-32.26	0.00	-24.26	0.00	-33.56	0.00
1.800	-27.0	-4.4	-40.92	0.00	-30.77	0.00	-42.57	0.00
1.900	-36.0	-5.9	-49.58	0.00	-37.28	0.00	-51.57	0.00
1.948	-40.3	-13.2	-53.72	0.00	-40.39	0.00	-55.88	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	94.5	47.4	152.9	-173.9	132.0 (2-Lane)
1.300	99.6	47.4	158.0	-179.0	137.1 (1-Lane)
1.400	59.7	31.9	91.6	-102.1	81.2 (2-Lane)
1.400	62.8	31.9	94.7	-105.2	84.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.7	31.9	91.6	-81.2	102.1 (2-Lane)
1.600	62.8	31.9	94.7	-84.2	105.2 (1-Lane)
1.700	94.5	47.4	152.9	-132.0	173.9 (2-Lane)
1.700	99.6	47.4	158.0	-137.1	179.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	351.86	3.45	0.00	138.0 (2-Lane)
1.048	338.26	3.32	0.00	132.6 (1-Lane)
1.100	131.58	4.30	0.00	171.8 (2-Lane)
1.100	126.49	4.13	0.00	165.2 (1-Lane)
1.200	39.35	4.11	0.00	164.5 (2-Lane)
1.200	37.83	3.95	0.00	158.1 (1-Lane)
1.300	18.42	4.09	0.00	163.6 (2-Lane)
1.300	18.23	4.08	0.00	163.4 (1-Lane)
1.400	7.31	3.22	0.00	128.9 (2-Lane)
1.400	7.23	3.22	0.00	128.6 (1-Lane)
1.500	4.59	4.59	0.00	183.5 (2-Lane)
1.500	4.41	4.41	0.00	176.4 (1-Lane)
1.600	3.22	7.31	0.00	128.9 (2-Lane)
1.600	3.22	7.23	0.00	128.6 (1-Lane)
1.700	4.09	18.42	0.00	163.6 (2-Lane)
1.700	4.08	18.23	0.00	163.4 (1-Lane)
1.800	4.11	39.35	0.00	164.5 (2-Lane)
1.800	3.95	37.83	0.00	158.1 (1-Lane)
1.900	4.46	131.96	0.00	178.3 (2-Lane)
1.900	4.28	126.86	0.00	171.4 (1-Lane)
1.948	3.59	322.22	0.00	143.4 (2-Lane)
1.948	3.45	309.76	0.00	137.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1779

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN

Rating Live Load: 3-3

Gamma	(2-Lane)		(1-Lane)					
	DC 1.00	DW 1.00	LL 0.80	LL 0.80				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	165.9	30.1	143.99 R	0.00	108.27	0.00	130.35 R	0.00
1.200	327.2	53.5	237.70 R	0.00	178.72	0.00	215.17 R	0.00
1.300	429.4	70.2	297.78 R	0.00	223.90	0.00	269.56 R	0.00
1.400	490.8	80.2	312.79 R	0.00	235.18	0.00	283.14 R	0.00
1.500	511.2	83.6	331.68 R	0.00	249.38	0.00	300.25 R	0.00
1.600	490.8	80.2	312.79 R	0.00	235.18	0.00	283.14 R	0.00
1.700	429.4	70.2	297.78 R	0.00	223.90	0.00	269.56 R	0.00
1.800	327.2	53.5	237.70 R	0.00	178.72	0.00	215.17 R	0.00
1.900	184.0	30.1	143.99 R	0.00	108.27	0.00	130.35 R	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1779

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load: 3-3
Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Top Bott. Top Bott. Top Bott. Top Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1780

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.000	999.00	999.00	999.00	999.00	0.00
1.048	999.00	999.00	999.00	999.00	0.00
1.048	999.00	999.00	999.00	999.00	0.00
1.100	44.42	999.00	14.69	999.00	0.00
1.100	49.06	999.00	16.23	999.00	0.00
1.200	24.88	999.00	8.18	999.00	0.00
1.200	27.48	999.00	9.04	999.00	0.00
1.300	19.16	999.00	6.28	999.00	0.00
1.300	21.16	999.00	6.93	999.00	0.00
1.400	17.51	999.00	5.73	999.00	0.00
1.400	19.34	999.00	6.34	999.00	0.00
1.500	16.16	999.00	5.30	999.00	0.00
1.500	17.85	999.00	5.85	999.00	0.00
1.600	17.51	999.00	5.73	999.00	0.00
1.600	19.34	999.00	6.34	999.00	0.00
1.700	19.16	999.00	6.28	999.00	0.00
1.700	21.16	999.00	6.93	999.00	0.00
1.800	24.88	999.00	8.18	999.00	0.00
1.800	27.48	999.00	9.04	999.00	0.00
1.900	44.11	999.00	14.54	999.00	0.00
1.900	48.73	999.00	16.06	999.00	0.00
1.948	999.00	999.00	999.00	999.00	0.00
1.948	999.00	999.00	999.00	999.00	0.00

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1781

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	343.54 R	0.00	258.30	0.00	310.99 R	0.00	233.82	0.00
1.200	409.0	66.8	599.73 R	0.00	450.92	0.00	542.89 R	0.00	408.19	0.00
1.300	536.8	87.7	768.56 R	0.00	577.86	0.00	695.72 R	0.00	523.10	0.00
1.400	613.5	100.3	876.23 R	0.00	658.82	0.00	793.19 R	0.00	596.38	0.00
1.500	639.0	104.4	901.11 R	0.00	677.53	0.00	815.71 R	0.00	613.32	0.00
1.600	613.5	100.3	876.23 R	0.00	658.82	0.00	793.19 R	0.00	596.38	0.00
1.700	536.8	87.7	768.56 R	0.00	577.86	0.00	695.72 R	0.00	523.10	0.00
1.800	409.0	66.8	599.73 R	0.00	450.92	0.00	542.89 R	0.00	408.19	0.00
1.900	230.0	37.6	343.54 R	0.00	258.30	0.00	310.99 R	0.00	233.82	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1782

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.30	999.00	9.30	999.00	0.00	251.2 (2-Lane)
1.100	10.28	999.00	10.28	999.00	0.00	277.5 (1-Lane)
1.200	5.14	999.00	5.14	999.00	0.00	138.9 (2-Lane)
1.200	5.68	999.00	5.68	999.00	0.00	153.4 (1-Lane)
1.300	3.97	999.00	3.97	999.00	0.00	107.3 (2-Lane)
1.300	4.39	999.00	4.39	999.00	0.00	118.6 (1-Lane)
1.400	3.43	999.00	3.43	999.00	0.00	92.6 (2-Lane)
1.400	3.79	999.00	3.79	999.00	0.00	102.3 (1-Lane)
1.500	3.30	999.00	3.30	999.00	0.00	89.2 (2-Lane)
1.500	3.65	999.00	3.65	999.00	0.00	98.5 (1-Lane)
1.600	3.43	999.00	3.43	999.00	0.00	92.6 (2-Lane)

1.600	3.79	999.00	3.79	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	102.3 (1-Lane)
1.700	3.97	999.00	3.97	999.00	0.00	107.3 (2-Lane)
1.700	4.39	999.00	4.39	999.00	0.00	118.6 (1-Lane)
1.800	5.14	999.00	5.14	999.00	0.00	138.9 (2-Lane)
1.800	5.68	999.00	5.68	999.00	0.00	153.4 (1-Lane)
1.900	9.24	999.00	9.24	999.00	0.00	249.4 (2-Lane)
1.900	10.20	999.00	10.20	999.00	0.00	275.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1784

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	57.68	0.00	43.37	0.00	60.00	0.00
1.100	39.6	5.9	54.07	0.00	40.66	0.00	56.25	0.00
1.200	27.0	4.4	47.20	0.00	35.49	0.00	49.10	0.00
1.300	18.0	2.9	40.32	0.00	30.32	0.00	41.94	0.00
1.400	9.0	1.5	33.45	0.00	25.15	0.00	34.79	0.00
1.500	0.0	0.0	26.57	0.00	19.98	0.00	27.64	0.00
1.600	-9.0	-1.5	-33.45	0.00	-25.15	0.00	-34.79	0.00
1.700	-18.0	-2.9	-40.32	0.00	-30.32	0.00	-41.94	0.00
1.800	-27.0	-4.4	-47.20	0.00	-35.49	0.00	-49.10	0.00
1.900	-36.0	-5.9	-54.07	0.00	-40.66	0.00	-56.25	0.00
1.948	-40.3	-13.2	-57.36	0.00	-43.13	0.00	-59.67	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1785

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	98.1	47.4	156.6	-177.5	135.6 (2-Lane)
1.300	104.0	47.4	162.4	-183.3	141.4 (1-Lane)
1.400	62.9	31.9	94.9	-105.4	84.4 (2-Lane)
1.400	66.6	31.9	98.6	-109.1	88.1 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.7	50.4	90.1	-90.1	90.1 (1-Lane)
1.600	62.9	31.9	94.9	-84.4	105.4 (2-Lane)
1.600	66.6	31.9	98.6	-88.1	109.1 (1-Lane)
1.700	98.1	47.4	156.6	-135.6	177.5 (2-Lane)
1.700	104.0	47.4	162.4	-141.4	183.3 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance
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(tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	289.77	3.24	0.00	87.4 (2-Lane)
1.048	278.57	3.11	0.00	84.0 (1-Lane)
1.100	108.36	3.94	0.00	106.3 (2-Lane)
1.100	104.17	3.79	0.00	102.2 (1-Lane)
1.200	29.88	3.57	0.00	96.3 (2-Lane)
1.200	28.73	3.43	0.00	92.5 (1-Lane)
1.300	13.57	3.36	0.00	90.8 (2-Lane)
1.300	13.47	3.37	0.00	91.0 (1-Lane)
1.400	5.35	2.52	0.00	68.1 (2-Lane)
1.400	5.32	2.53	0.00	68.4 (1-Lane)
1.500	3.38	3.38	0.00	91.2 (2-Lane)
1.500	3.26	3.26	0.00	88.0 (1-Lane)
1.600	2.52	5.35	0.00	68.1 (2-Lane)
1.600	2.53	5.32	0.00	68.4 (1-Lane)
1.700	3.36	13.57	0.00	90.8 (2-Lane)
1.700	3.37	13.47	0.00	91.0 (1-Lane)
1.800	3.57	29.88	0.00	96.3 (2-Lane)
1.800	3.43	28.73	0.00	92.5 (1-Lane)
1.900	4.09	108.68	0.00	110.3 (2-Lane)
1.900	3.93	104.47	0.00	106.1 (1-Lane)
1.948	3.36	265.36	0.00	90.7 (2-Lane)
1.948	3.23	255.10	0.00	87.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1787

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	157.05 R	0.00	118.08	0.00	142.16 R	0.00	106.89	0.00
1.200	327.2	53.5	274.16 R	0.00	206.14	0.00	248.18 R	0.00	186.60	0.00
1.300	429.4	70.2	351.34 R	0.00	264.17	0.00	318.04 R	0.00	239.13	0.00
1.400	490.8	80.2	400.56 R	0.00	301.18	0.00	362.60 R	0.00	272.63	0.00
1.500	511.2	83.6	411.94 R	0.00	309.73	0.00	372.90 R	0.00	280.37	0.00
1.600	490.8	80.2	400.56 R	0.00	301.18	0.00	362.60 R	0.00	272.63	0.00
1.700	429.4	70.2	351.34 R	0.00	264.17	0.00	318.04 R	0.00	239.13	0.00
1.800	327.2	53.5	274.16 R	0.00	206.14	0.00	248.18 R	0.00	186.60	0.00
1.900	184.0	30.1	157.05 R	0.00	118.08	0.00	142.16 R	0.00	106.89	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1787

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	40.72	999.00	13.47	999.00	0.00	363.7 (2-Lane)
1.100	44.99	999.00	14.88	999.00	0.00	401.8 (1-Lane)
1.200	21.57	999.00	7.09	999.00	0.00	191.5 (2-Lane)
1.200	23.83	999.00	7.84	999.00	0.00	211.6 (1-Lane)
1.300	16.24	999.00	5.32	999.00	0.00	143.6 (2-Lane)
1.300	17.94	999.00	5.88	999.00	0.00	158.7 (1-Lane)
1.400	13.67	999.00	4.48	999.00	0.00	120.9 (2-Lane)
1.400	15.10	999.00	4.95	999.00	0.00	133.6 (1-Lane)
1.500	13.01	999.00	4.26	999.00	0.00	115.1 (2-Lane)
1.500	14.37	999.00	4.71	999.00	0.00	127.2 (1-Lane)
1.600	13.67	999.00	4.48	999.00	0.00	120.9 (2-Lane)
1.600	15.10	999.00	4.95	999.00	0.00	133.6 (1-Lane)
1.700	16.24	999.00	5.32	999.00	0.00	143.6 (2-Lane)
1.700	17.94	999.00	5.88	999.00	0.00	158.7 (1-Lane)
1.800	21.57	999.00	7.09	999.00	0.00	191.5 (2-Lane)
1.800	23.83	999.00	7.84	999.00	0.00	211.6 (1-Lane)
1.900	40.44	999.00	13.33	999.00	0.00	359.9 (2-Lane)
1.900	44.68	999.00	14.73	999.00	0.00	397.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1789

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	381.27 R	0.00	286.67	0.00	345.14 R	0.00	259.50	0.00
1.200	409.0	66.8	662.24 R	0.00	497.93	0.00	599.48 R	0.00	450.74	0.00
1.300	536.8	87.7	852.03 R	0.00	640.62	0.00	771.28 R	0.00	579.91	0.00
1.400	613.5	100.3	967.72 R	0.00	727.61	0.00	876.01 R	0.00	658.65	0.00
1.500	639.0	104.4	983.12 R	0.00	739.19	0.00	889.95 R	0.00	669.13	0.00
1.600	613.5	100.3	967.72 R	0.00	727.61	0.00	876.01 R	0.00	658.65	0.00
1.700	536.8	87.7	852.03 R	0.00	640.62	0.00	771.28 R	0.00	579.91	0.00
1.800	409.0	66.8	662.24 R	0.00	497.93	0.00	599.48 R	0.00	450.74	0.00
1.900	230.0	37.6	381.27 R	0.00	286.67	0.00	345.14 R	0.00	259.50	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Resistance Negative Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8

1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.38	999.00		8.38	999.00	0.00	259.9 (2-Lane)
1.100	9.26	999.00		9.26	999.00	0.00	287.1 (1-Lane)
1.200	4.66	999.00		4.66	999.00	0.00	144.4 (2-Lane)
1.200	5.15	999.00		5.15	999.00	0.00	159.5 (1-Lane)
1.300	3.59	999.00		3.59	999.00	0.00	111.2 (2-Lane)
1.300	3.96	999.00		3.96	999.00	0.00	122.8 (1-Lane)
1.400	3.11	999.00		3.11	999.00	0.00	96.3 (2-Lane)
1.400	3.43	999.00		3.43	999.00	0.00	106.4 (1-Lane)
1.500	3.03	999.00		3.03	999.00	0.00	93.8 (2-Lane)
1.500	3.34	999.00		3.34	999.00	0.00	103.7 (1-Lane)
1.600	3.11	999.00		3.11	999.00	0.00	96.3 (2-Lane)
1.600	3.43	999.00		3.43	999.00	0.00	106.4 (1-Lane)
1.700	3.59	999.00		3.59	999.00	0.00	111.2 (2-Lane)
1.700	3.96	999.00		3.96	999.00	0.00	122.8 (1-Lane)
1.800	4.66	999.00		4.66	999.00	0.00	144.4 (2-Lane)
1.800	5.15	999.00		5.15	999.00	0.00	159.5 (1-Lane)
1.900	8.32	999.00		8.32	999.00	0.00	258.0 (2-Lane)
1.900	9.19	999.00		9.19	999.00	0.00	285.1 (1-Lane)
1.948	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75	(1-Lane) LL 1.75		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	64.15	0.00	48.23	0.00
1.100	39.6	5.9	60.01	0.00	45.12	0.00
1.200	27.0	4.4	52.12	0.00	39.19	0.00
1.300	18.0	2.9	44.22	0.00	33.25	0.00
1.400	9.0	1.5	36.33	0.00	27.32	0.00
1.500	0.0	0.0	28.44	0.00	21.38	0.00
1.600	-9.0	-1.5	-36.33	0.00	-27.32	0.00
1.700	-18.0	-2.9	-44.22	0.00	-33.25	0.00
1.800	-27.0	-4.4	-52.12	0.00	-39.19	0.00
1.900	-36.0	-5.9	-60.01	0.00	-45.12	0.00
1.948	-40.3	-13.2	-63.79	0.00	-47.96	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1793

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	98.4	47.4	156.8	-177.8	135.9 (2-Lane)
1.300	104.5	47.4	162.9	-183.9	142.0 (1-Lane)
1.400	63.3	31.9	95.2	-105.7	84.7 (2-Lane)
1.400	67.1	31.9	99.1	-109.5	88.6 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	40.3	50.4	90.7	-90.7	90.7 (1-Lane)
1.600	63.3	31.9	95.2	-84.7	105.7 (2-Lane)
1.600	67.1	31.9	99.1	-88.6	109.5 (1-Lane)
1.700	98.4	47.4	156.8	-135.9	177.8 (2-Lane)
1.700	104.5	47.4	162.9	-142.0	183.9 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1794

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	289.77	2.91	0.00	90.2 (2-Lane)
1.048	278.57	2.80	0.00	86.7 (1-Lane)
1.100	108.36	3.55	0.00	110.0 (2-Lane)
1.100	104.17	3.41	0.00	105.8 (1-Lane)
1.200	29.88	3.23	0.00	100.1 (2-Lane)
1.200	28.73	3.10	0.00	96.2 (1-Lane)
1.300	12.71	3.07	0.00	95.2 (2-Lane)
1.300	12.64	3.09	0.00	95.7 (1-Lane)
1.400	5.14	2.33	0.00	72.3 (2-Lane)
1.400	5.13	2.34	0.00	72.7 (1-Lane)
1.500	3.16	3.16	0.00	97.9 (2-Lane)
1.500	3.07	3.07	0.00	95.0 (1-Lane)
1.600	2.33	5.14	0.00	72.3 (2-Lane)
1.600	2.34	5.13	0.00	72.7 (1-Lane)
1.700	3.07	12.71	0.00	95.2 (2-Lane)
1.700	3.09	12.64	0.00	95.7 (1-Lane)
1.800	3.23	29.88	0.00	100.1 (2-Lane)
1.800	3.10	28.73	0.00	96.2 (1-Lane)
1.900	3.68	108.68	0.00	114.1 (2-Lane)
1.900	3.54	104.47	0.00	109.7 (1-Lane)
1.948	3.02	265.36	0.00	93.6 (2-Lane)
1.948	2.90	255.10	0.00	90.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1795

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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9999999_20120831cy17_FlexuralRpt.txt									
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	165.9	30.1	174.30 R	0.00	131.05	0.00	157.78 R	0.00	118.63
1.200	327.2	53.5	302.74 R	0.00	227.62	0.00	274.05 R	0.00	206.05
1.300	429.4	70.2	389.50 R	0.00	292.86	0.00	352.59 R	0.00	265.10
1.400	490.8	80.2	442.39 R	0.00	332.62	0.00	400.46 R	0.00	301.10
1.500	511.2	83.6	449.43 R	0.00	337.91	0.00	406.83 R	0.00	305.89
1.600	490.8	80.2	442.39 R	0.00	332.62	0.00	400.46 R	0.00	301.10
1.700	429.4	70.2	389.50 R	0.00	292.86	0.00	352.59 R	0.00	265.10
1.800	327.2	53.5	302.74 R	0.00	227.62	0.00	274.05 R	0.00	206.05
1.900	184.0	30.1	174.30 R	0.00	131.05	0.00	157.78 R	0.00	118.63
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1795

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S

Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	36.69	999.00	12.14	999.00	0.00	376.2 (2-Lane)
1.100	40.53	999.00	13.41	999.00	0.00	415.6 (1-Lane)
1.200	19.53	999.00	6.43	999.00	0.00	199.2 (2-Lane)
1.200	21.58	999.00	7.10	999.00	0.00	220.0 (1-Lane)
1.300	14.65	999.00	4.80	999.00	0.00	148.7 (2-Lane)
1.300	16.18	999.00	5.30	999.00	0.00	164.3 (1-Lane)
1.400	12.38	999.00	4.05	999.00	0.00	125.7 (2-Lane)
1.400	13.68	999.00	4.48	999.00	0.00	138.8 (1-Lane)
1.500	11.93	999.00	3.91	999.00	0.00	121.2 (2-Lane)
1.500	13.17	999.00	4.32	999.00	0.00	133.9 (1-Lane)
1.600	12.38	999.00	4.05	999.00	0.00	125.7 (2-Lane)
1.600	13.68	999.00	4.48	999.00	0.00	138.8 (1-Lane)
1.700	14.65	999.00	4.80	999.00	0.00	148.7 (2-Lane)
1.700	16.18	999.00	5.30	999.00	0.00	164.3 (1-Lane)
1.800	19.53	999.00	6.43	999.00	0.00	199.2 (2-Lane)
1.800	21.58	999.00	7.10	999.00	0.00	220.0 (1-Lane)
1.900	36.44	999.00	12.01	999.00	0.00	372.3 (2-Lane)
1.900	40.26	999.00	13.27	999.00	0.00	411.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1797

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	402.40 R	0.00	302.55	0.00	364.26 R	0.00	273.88	0.00
1.200	409.0	66.8	725.98 R	0.00	545.85	0.00	657.17 R	0.00	494.12	0.00
1.300	536.8	87.7	943.10 R	0.00	709.10	0.00	853.72 R	0.00	641.90	0.00
1.400	613.5	100.3	1063.75 R	0.00	799.81	0.00	962.94 R	0.00	724.01	0.00
1.500	639.0	104.4	1095.61 R	0.00	823.77	0.00	991.78 R	0.00	745.70	0.00
1.600	613.5	100.3	1063.75 R	0.00	799.81	0.00	962.94 R	0.00	724.01	0.00
1.700	536.8	87.7	943.10 R	0.00	709.10	0.00	853.72 R	0.00	641.90	0.00
1.800	409.0	66.8	725.98 R	0.00	545.85	0.00	657.17 R	0.00	494.12	0.00
1.900	230.0	37.6	402.40 R	0.00	302.55	0.00	364.26 R	0.00	273.88	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1798

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1799

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.94	999.00	7.94	999.00	0.00	276.0 (2-Lane)
1.100	8.77	999.00	8.77	999.00	0.00	304.9 (1-Lane)
1.200	4.25	999.00	4.25	999.00	0.00	147.7 (2-Lane)
1.200	4.69	999.00	4.69	999.00	0.00	163.1 (1-Lane)
1.300	3.24	999.00	3.24	999.00	0.00	112.6 (2-Lane)
1.300	3.58	999.00	3.58	999.00	0.00	124.4 (1-Lane)
1.400	2.83	999.00	2.83	999.00	0.00	98.2 (2-Lane)
1.400	3.12	999.00	3.12	999.00	0.00	108.5 (1-Lane)
1.500	2.72	999.00	2.72	999.00	0.00	94.4 (2-Lane)
1.500	3.00	999.00	3.00	999.00	0.00	104.3 (1-Lane)
1.600	2.83	999.00	2.83	999.00	0.00	98.2 (2-Lane)
1.600	3.12	999.00	3.12	999.00	0.00	108.5 (1-Lane)
1.700	3.24	999.00	3.24	999.00	0.00	112.6 (2-Lane)
1.700	3.58	999.00	3.58	999.00	0.00	124.4 (1-Lane)
1.800	4.25	999.00	4.25	999.00	0.00	147.7 (2-Lane)
1.800	4.69	999.00	4.69	999.00	0.00	163.1 (1-Lane)

1.900 7.89 999.00 7.89 999.00 9999999_20120831cy17_FlexuralRpt.txt
1.900 8.71 999.00 8.71 999.00 0.00 274.1 (2-Lane)
0.00 302.8 (1-Lane)
1.948 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.948 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1800

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: SU6

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	67.98	0.00	51.11	0.00	70.71	0.00	53.17	0.00
1.100	39.6	5.9	63.34	0.00	47.62	0.00	65.88	0.00	49.54	0.00
1.200	27.0	4.4	54.49	0.00	40.97	0.00	56.68	0.00	42.62	0.00
1.300	18.0	2.9	45.64	0.00	34.31	0.00	47.47	0.00	35.70	0.00
1.400	9.0	1.5	36.79	0.00	27.66	0.00	38.27	0.00	28.77	0.00
1.500	0.0	0.0	27.94	0.00	21.01	0.00	29.07	0.00	21.85	0.00
1.600	-9.0	-1.5	-36.79	0.00	-27.66	0.00	-38.27	0.00	-28.77	0.00
1.700	-18.0	-2.9	-45.64	0.00	-34.31	0.00	-47.47	0.00	-35.70	0.00
1.800	-27.0	-4.4	-54.49	0.00	-40.97	0.00	-56.68	0.00	-42.62	0.00
1.900	-36.0	-5.9	-63.34	0.00	-47.62	0.00	-65.88	0.00	-49.54	0.00
1.948	-40.3	-13.2	-67.57	0.00	-50.80	0.00	-70.29	0.00	-52.85	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1801

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	95.7	47.4	154.2	-175.1	133.2 (2-Lane)
1.300	101.8	47.4	160.2	-181.2	139.3 (1-Lane)
1.400	61.4	31.9	93.3	-103.8	82.8 (2-Lane)
1.400	65.2	31.9	97.1	-107.6	86.6 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	61.4	31.9	93.3	-82.8	103.8 (2-Lane)
1.600	65.2	31.9	97.1	-86.6	107.6 (1-Lane)
1.700	95.7	47.4	154.2	-133.2	175.1 (2-Lane)
1.700	101.8	47.4	160.2	-139.3	181.2 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1802

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	428.36	2.75	0.00	95.5 (2-Lane)
1.048	411.79	2.64	0.00	91.8 (1-Lane)

1.100	183.24	3.36	0.00	116.8 (2-Lane)
1.100	176.15	3.23	0.00	112.3 (1-Lane)
1.200	37.76	3.09	0.00	107.3 (2-Lane)
1.200	36.30	2.97	0.00	103.2 (1-Lane)
1.300	13.95	2.92	0.00	101.4 (2-Lane)
1.300	13.87	2.93	0.00	102.0 (1-Lane)
1.400	5.20	2.25	0.00	78.2 (2-Lane)
1.400	5.19	2.26	0.00	78.7 (1-Lane)
1.500	3.21	3.21	0.00	111.7 (2-Lane)
1.500	3.09	3.09	0.00	107.4 (1-Lane)
1.600	2.25	5.20	0.00	78.2 (2-Lane)
1.600	2.26	5.19	0.00	78.7 (1-Lane)
1.700	2.92	13.95	0.00	101.4 (2-Lane)
1.700	2.93	13.87	0.00	102.0 (1-Lane)
1.800	3.09	37.76	0.00	107.3 (2-Lane)
1.800	2.97	36.30	0.00	103.2 (1-Lane)
1.900	3.49	183.77	0.00	121.2 (2-Lane)
1.900	3.35	176.66	0.00	116.5 (1-Lane)
1.948	2.85	392.27	0.00	99.1 (2-Lane)
1.948	2.74	377.10	0.00	95.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL	LL
			0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	183.95 R	0.00	138.31	0.00	166.52 R	0.00	125.20	0.00
1.200	327.2	53.5	331.87 R	0.00	249.53	0.00	300.42 R	0.00	225.88	0.00
1.300	429.4	70.2	431.13 R	0.00	324.16	0.00	390.27 R	0.00	293.44	0.00
1.400	490.8	80.2	486.29 R	0.00	365.63	0.00	440.20 R	0.00	330.98	0.00
1.500	511.2	83.6	500.85 R	0.00	376.58	0.00	453.38 R	0.00	340.89	0.00
1.600	490.8	80.2	486.29 R	0.00	365.63	0.00	440.20 R	0.00	330.98	0.00
1.700	429.4	70.2	431.13 R	0.00	324.16	0.00	390.27 R	0.00	293.44	0.00
1.800	327.2	53.5	331.87 R	0.00	249.53	0.00	300.42 R	0.00	225.88	0.00
1.900	184.0	30.1	183.95 R	0.00	138.31	0.00	166.52 R	0.00	125.20	0.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1803

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU6

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S

Rating Live Load: SU6

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	34.77	999.00	11.50	999.00	0.00	399.6 (2-Lane)
1.100	38.41	999.00	12.70	999.00	0.00	441.5 (1-Lane)
1.200	17.82	999.00	5.86	999.00	0.00	203.7 (2-Lane)
1.200	19.68	999.00	6.47	999.00	0.00	225.0 (1-Lane)
1.300	13.23	999.00	4.34	999.00	0.00	150.6 (2-Lane)
1.300	14.62	999.00	4.79	999.00	0.00	166.4 (1-Lane)
1.400	11.26	999.00	3.69	999.00	0.00	128.2 (2-Lane)
1.400	12.44	999.00	4.07	999.00	0.00	141.6 (1-Lane)
1.500	10.70	999.00	3.51	999.00	0.00	121.9 (2-Lane)
1.500	11.82	999.00	3.88	999.00	0.00	134.6 (1-Lane)
1.600	11.26	999.00	3.69	999.00	0.00	128.2 (2-Lane)
1.600	12.44	999.00	4.07	999.00	0.00	141.6 (1-Lane)
1.700	13.23	999.00	4.34	999.00	0.00	150.6 (2-Lane)
1.700	14.62	999.00	4.79	999.00	0.00	166.4 (1-Lane)
1.800	17.82	999.00	5.86	999.00	0.00	203.7 (2-Lane)
1.800	19.68	999.00	6.47	999.00	0.00	225.0 (1-Lane)
1.900	34.53	999.00	11.38	999.00	0.00	395.5 (2-Lane)
1.900	38.14	999.00	12.57	999.00	0.00	436.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	421.04 R	0.00	316.57	0.00	381.13 R	0.00	286.57	0.00
1.200	409.0	66.8	759.43 R	0.00	571.00	0.00	687.46 R	0.00	516.89	0.00
1.300	536.8	87.7	1015.18 R	0.00	763.29	0.00	918.97 R	0.00	690.95	0.00
1.400	613.5	100.3	1148.40 R	0.00	863.46	0.00	1039.57 R	0.00	781.63	0.00
1.500	639.0	104.4	1189.01 R	0.00	893.99	0.00	1076.33 R	0.00	809.27	0.00
1.600	613.5	100.3	1148.40 R	0.00	863.46	0.00	1039.57 R	0.00	781.63	0.00
1.700	536.8	87.7	1015.18 R	0.00	763.29	0.00	918.97 R	0.00	690.96	0.00
1.800	409.0	66.8	759.43 R	0.00	571.00	0.00	687.46 R	0.00	516.89	0.00
1.900	230.0	37.6	421.04 R	0.00	316.57	0.00	381.13 R	0.00	286.57	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.59	999.00	7.59	999.00	0.00	294.2 (2-Lane)
1.100	8.39	999.00	8.39	999.00	0.00	325.0 (1-Lane)
1.200	4.06	999.00	4.06	999.00	0.00	157.4 (2-Lane)
1.200	4.49	999.00	4.49	999.00	0.00	173.9 (1-Lane)
1.300	3.01	999.00	3.01	999.00	0.00	116.6 (2-Lane)
1.300	3.33	999.00	3.33	999.00	0.00	128.8 (1-Lane)
1.400	2.62	999.00	2.62	999.00	0.00	101.4 (2-Lane)
1.400	2.89	999.00	2.89	999.00	0.00	112.0 (1-Lane)
1.500	2.50	999.00	2.50	999.00	0.00	97.0 (2-Lane)
1.500	2.77	999.00	2.77	999.00	0.00	107.1 (1-Lane)
1.600	2.62	999.00	2.62	999.00	0.00	101.4 (2-Lane)
1.600	2.89	999.00	2.89	999.00	0.00	112.0 (1-Lane)
1.700	3.01	999.00	3.01	999.00	0.00	116.6 (2-Lane)
1.700	3.33	999.00	3.33	999.00	0.00	128.8 (1-Lane)
1.800	4.06	999.00	4.06	999.00	0.00	157.4 (2-Lane)
1.800	4.49	999.00	4.49	999.00	0.00	173.9 (1-Lane)
1.900	7.54	999.00	7.54	999.00	0.00	292.1 (2-Lane)
1.900	8.33	999.00	8.33	999.00	0.00	322.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1808

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	71.45	0.00	53.72	0.00	74.32	0.00
1.100	39.6	5.9	66.27	0.00	49.83	0.00	68.93	0.00
1.200	27.0	4.4	56.40	0.00	42.41	0.00	58.67	0.00
1.300	18.0	2.9	46.54	0.00	34.99	0.00	48.41	0.00
1.400	9.0	1.5	36.67	0.00	27.57	0.00	38.14	0.00
1.500	0.0	0.0	27.22	0.00	20.46	0.00	28.31	0.00
1.600	-9.0	-1.5	-36.67	0.00	-27.57	0.00	-38.14	0.00
1.700	-18.0	-2.9	-46.54	0.00	-34.99	0.00	-48.41	0.00
1.800	-27.0	-4.4	-56.40	0.00	-42.41	0.00	-58.67	0.00
1.900	-36.0	-5.9	-66.27	0.00	-49.83	0.00	-68.93	0.00
1.948	-40.3	-13.2	-70.99	0.00	-53.38	0.00	-73.84	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU7

Shear Resistance

Available Resistance for LL+I

	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	93.6	47.4	152.1	-173.0	131.1 (2-Lane)
1.300	99.7	47.4	158.1	-179.0	137.1 (1-Lane)
1.400	59.4	31.9	91.4	-101.8	80.9 (2-Lane)
1.400	63.1	31.9	95.0	-105.5	84.6 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.4	31.9	91.4	-80.9	101.8 (2-Lane)
1.600	63.1	31.9	95.0	-84.6	105.5 (1-Lane)
1.700	93.6	47.4	152.1	-131.1	173.0 (2-Lane)
1.700	99.7	47.4	158.1	-137.1	179.0 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1810

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-INV
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	428.36	2.61	0.00	101.3 (2-Lane)
1.048	411.79	2.51	0.00	97.4 (1-Lane)
1.100	207.54	3.21	0.00	124.5 (2-Lane)
1.100	199.51	3.09	0.00	119.7 (1-Lane)
1.200	49.85	2.98	0.00	115.6 (2-Lane)
1.200	47.93	2.87	0.00	111.1 (1-Lane)
1.300	15.81	2.82	0.00	109.2 (2-Lane)
1.300	15.73	2.83	0.00	109.8 (1-Lane)
1.400	5.41	2.21	0.00	85.5 (2-Lane)
1.400	5.39	2.22	0.00	85.9 (1-Lane)
1.500	3.30	3.30	0.00	127.9 (2-Lane)
1.500	3.17	3.17	0.00	122.9 (1-Lane)
1.600	2.21	5.41	0.00	85.5 (2-Lane)
1.600	2.22	5.39	0.00	85.9 (1-Lane)
1.700	2.82	15.81	0.00	109.2 (2-Lane)
1.700	2.83	15.73	0.00	109.8 (1-Lane)
1.800	2.98	49.85	0.00	115.6 (2-Lane)
1.800	2.87	47.93	0.00	111.1 (1-Lane)
1.900	3.33	208.14	0.00	129.2 (2-Lane)
1.900	3.20	200.09	0.00	124.2 (1-Lane)
1.948	2.71	392.27	0.00	105.1 (2-Lane)
1.948	2.61	377.10	0.00	101.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1811

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	78.9	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	165.9	30.1	192.47 R	0.00	144.72	0.00	174.23 R	0.00	131.00	0.00
1.200	327.2	53.5	347.17 R	0.00	261.03	0.00	314.27 R	0.00	236.29	0.00
1.300	429.4	70.2	464.08 R	0.00	348.93	0.00	420.10 R	0.00	315.87	0.00
1.400	490.8	80.2	524.98 R	0.00	394.73	0.00	475.23 R	0.00	357.32	0.00
1.500	511.2	83.6	543.55 R	0.00	408.68	0.00	492.04 R	0.00	369.95	0.00
1.600	490.8	80.2	524.98 R	0.00	394.73	0.00	475.23 R	0.00	357.32	0.00

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1.700	429.4	70.2	464.08 R	0.00	348.93	0.00	420.10 R	0.00	315.87
1.800	327.2	53.5	347.17 R	0.00	261.03	0.00	314.27 R	0.00	236.29
1.900	184.0	30.1	192.47 R	0.00	144.72	0.00	174.23 R	0.00	131.00
1.948	96.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-INV S

Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	33.23	999.00	10.99	999.00	0.00	425.9 (2-Lane)
1.100	36.71	999.00	12.14	999.00	0.00	470.5 (1-Lane)
1.200	17.03	999.00	5.60	999.00	0.00	217.1 (2-Lane)
1.200	18.82	999.00	6.19	999.00	0.00	239.8 (1-Lane)
1.300	12.29	999.00	4.03	999.00	0.00	156.1 (2-Lane)
1.300	13.58	999.00	4.45	999.00	0.00	172.4 (1-Lane)
1.400	10.43	999.00	3.42	999.00	0.00	132.4 (2-Lane)
1.400	11.52	999.00	3.77	999.00	0.00	146.3 (1-Lane)
1.500	9.86	999.00	3.23	999.00	0.00	125.2 (2-Lane)
1.500	10.89	999.00	3.57	999.00	0.00	138.3 (1-Lane)
1.600	10.43	999.00	3.42	999.00	0.00	132.4 (2-Lane)
1.600	11.52	999.00	3.77	999.00	0.00	146.3 (1-Lane)
1.700	12.29	999.00	4.03	999.00	0.00	156.1 (2-Lane)
1.700	13.58	999.00	4.45	999.00	0.00	172.4 (1-Lane)
1.800	17.03	999.00	5.60	999.00	0.00	217.1 (2-Lane)
1.800	18.82	999.00	6.19	999.00	0.00	239.8 (1-Lane)
1.900	33.00	999.00	10.88	999.00	0.00	421.4 (2-Lane)
1.900	36.45	999.00	12.02	999.00	0.00	465.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load:		HL93		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	407.23 R	0.00	325.23	0.00	368.64 R	0.00	294.41	0.00
1.200	409.0	66.8	707.56 R	0.00	565.84	0.00	640.50 R	0.00	512.22	0.00
1.300	536.8	87.7	900.98 R	0.00	721.85	0.00	815.59 R	0.00	653.44	0.00
1.400	613.5	100.3	1012.11 R	0.00	811.75	0.00	916.19 R	0.00	734.82	0.00
1.500	639.0	104.4	1028.64 R	0.00	826.30	0.00	931.16 R	0.00	747.99	0.00
1.600	613.5	100.3	1012.11 R	0.00	811.75	0.00	916.19 R	0.00	734.82	0.00
1.700	536.8	87.7	900.98 R	0.00	721.85	0.00	815.59 R	0.00	653.44	0.00
1.800	409.0	66.8	707.56 R	0.00	565.84	0.00	640.50 R	0.00	512.22	0.00
1.900	230.0	37.6	407.23 R	0.00	325.23	0.00	368.64 R	0.00	294.41	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.85	999.00	7.85	999.00	0.00	282.6 (2-Lane)
1.100	8.67	999.00	8.67	999.00	0.00	312.1 (1-Lane)
1.200	4.36	999.00	4.36	999.00	0.00	156.9 (2-Lane)
1.200	4.82	999.00	4.82	999.00	0.00	173.4 (1-Lane)
1.300	3.39	999.00	3.39	999.00	0.00	122.1 (2-Lane)
1.300	3.75	999.00	3.75	999.00	0.00	134.9 (1-Lane)
1.400	2.97	999.00	2.97	999.00	0.00	106.9 (2-Lane)
1.400	3.28	999.00	3.28	999.00	0.00	118.1 (1-Lane)
1.500	2.89	999.00	2.89	999.00	0.00	104.2 (2-Lane)
1.500	3.20	999.00	3.20	999.00	0.00	115.1 (1-Lane)
1.600	2.97	999.00	2.97	999.00	0.00	106.9 (2-Lane)
1.600	3.28	999.00	3.28	999.00	0.00	118.1 (1-Lane)
1.700	3.39	999.00	3.39	999.00	0.00	122.1 (2-Lane)
1.700	3.75	999.00	3.75	999.00	0.00	134.9 (1-Lane)
1.800	4.36	999.00	4.36	999.00	0.00	156.9 (2-Lane)
1.800	4.82	999.00	4.82	999.00	0.00	173.4 (1-Lane)
1.900	7.79	999.00	7.79	999.00	0.00	280.6 (2-Lane)
1.900	8.61	999.00	8.61	999.00	0.00	309.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1816

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	67.90	0.00	54.07	0.00	70.63	0.00	56.25	0.00
1.100	39.6	5.9	62.89	0.00	49.98	0.00	65.42	0.00	51.99	0.00
1.200	27.0	4.4	53.54	0.00	42.38	0.00	55.69	0.00	44.09	0.00
1.300	18.0	2.9	44.45	0.00	35.05	0.00	46.24	0.00	36.46	0.00
1.400	9.0	1.5	35.64	0.00	27.99	0.00	37.07	0.00	29.12	0.00
1.500	0.0	0.0	27.09	0.00	21.20	0.00	28.18	0.00	22.05	0.00
1.600	-9.0	-1.5	-35.64	0.00	-27.99	0.00	-37.07	0.00	-29.12	0.00
1.700	-18.0	-2.9	-44.45	0.00	-35.05	0.00	-46.24	0.00	-36.46	0.00
1.800	-27.0	-4.4	-53.54	0.00	-42.38	0.00	-55.69	0.00	-44.09	0.00
1.900	-36.0	-5.9	-62.89	0.00	-49.98	0.00	-65.42	0.00	-51.99	0.00
1.948	-40.3	-13.2	-67.46	0.00	-53.71	0.00	-70.17	0.00	-55.87	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	96.4	47.4	154.8	-175.7	133.8 (2-Lane)
1.300	102.4	47.4	160.8	-181.8	139.9 (1-Lane)
1.400	61.6	31.9	93.5	-104.0	83.0 (2-Lane)
1.400	65.3	31.9	97.2	-107.7	86.8 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	61.6	31.9	93.5	-83.0	104.0 (2-Lane)
1.600	65.3	31.9	97.3	-86.8	107.7 (1-Lane)
1.700	96.4	47.4	154.8	-133.8	175.7 (2-Lane)
1.700	102.4	47.4	160.8	-139.9	181.8 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HL93

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	199.55	2.75	0.00	99.0 (2-Lane)
1.048	191.84	2.64	0.00	95.2 (1-Lane)
1.100	95.52	3.39	0.00	121.9 (2-Lane)
1.100	91.82	3.26	0.00	117.2 (1-Lane)
1.200	26.79	3.14	0.00	113.2 (2-Lane)
1.200	25.75	3.02	0.00	108.8 (1-Lane)
1.300	12.37	3.01	0.00	108.4 (2-Lane)
1.300	12.30	3.03	0.00	108.9 (1-Lane)

1.400	5.18	2.33	0.00	83.9 (2-Lane)
1.400	5.16	2.34	0.00	84.3 (1-Lane)
1.500	3.32	3.32	0.00	119.3 (2-Lane)
1.500	3.19	3.19	0.00	114.7 (1-Lane)
1.600	2.33	5.18	0.00	83.9 (2-Lane)
1.600	2.34	5.16	0.00	84.3 (1-Lane)
1.700	3.01	12.37	0.00	108.4 (2-Lane)
1.700	3.03	12.30	0.00	108.9 (1-Lane)
1.800	3.14	26.79	0.00	113.2 (2-Lane)
1.800	3.02	25.75	0.00	108.8 (1-Lane)
1.900	3.51	91.92	0.00	126.5 (2-Lane)
1.900	3.38	88.37	0.00	121.6 (1-Lane)
1.948	2.86	178.76	0.00	102.8 (2-Lane)
1.948	2.74	171.85	0.00	98.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1820

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	330.50 R	0.00	248.50	0.00	299.18 R	0.00	224.95	0.00
1.200	409.0	66.8	571.15 R	0.00	429.44	0.00	517.02 R	0.00	388.74	0.00
1.300	536.8	87.7	721.95 R	0.00	542.82	0.00	653.53 R	0.00	491.37	0.00
1.400	613.5	100.3	807.50 R	0.00	607.14	0.00	730.97 R	0.00	549.60	0.00
1.500	639.0	104.4	815.51 R	0.00	613.16	0.00	738.22 R	0.00	555.05	0.00
1.600	613.5	100.3	807.50 R	0.00	607.14	0.00	730.97 R	0.00	549.60	0.00
1.700	536.8	87.7	721.95 R	0.00	542.82	0.00	653.53 R	0.00	491.37	0.00
1.800	409.0	66.8	571.15 R	0.00	429.44	0.00	517.02 R	0.00	388.74	0.00
1.900	230.0	37.6	330.50 R	0.00	248.50	0.00	299.18 R	0.00	224.95	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HS20

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
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9999999_20120831cy17_FlexuralRpt.txt							
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)	
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)	
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)	
1.100	9.67	999.00	9.67	999.00	193.42	348.2 (2-Lane)	
1.100	10.68	999.00	10.68	999.00	213.67	384.6 (1-Lane)	
1.200	5.40	999.00	5.40	999.00	108.01	194.4 (2-Lane)	
1.200	5.97	999.00	5.97	999.00	119.32	214.8 (1-Lane)	
1.300	4.23	999.00	4.23	999.00	84.64	152.3 (2-Lane)	
1.300	4.68	999.00	4.68	999.00	93.50	168.3 (1-Lane)	
1.400	3.72	999.00	3.72	999.00	74.44	134.0 (2-Lane)	
1.400	4.11	999.00	4.11	999.00	82.24	148.0 (1-Lane)	
1.500	3.65	999.00	3.65	999.00	72.98	131.4 (2-Lane)	
1.500	4.03	999.00	4.03	999.00	80.62	145.1 (1-Lane)	
1.600	3.72	999.00	3.72	999.00	74.44	134.0 (2-Lane)	
1.600	4.11	999.00	4.11	999.00	82.24	148.0 (1-Lane)	
1.700	4.23	999.00	4.23	999.00	84.64	152.3 (2-Lane)	
1.700	4.68	999.00	4.68	999.00	93.50	168.3 (1-Lane)	
1.800	5.40	999.00	5.40	999.00	108.01	194.4 (2-Lane)	
1.800	5.97	999.00	5.97	999.00	119.32	214.8 (1-Lane)	
1.900	9.60	999.00	9.60	999.00	192.05	345.7 (2-Lane)	
1.900	10.61	999.00	10.61	999.00	212.16	381.9 (1-Lane)	
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)	
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)	
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)	
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1823

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	55.73	0.00	41.90	0.00	57.97	0.00	43.59
1.100	39.6	5.9	52.02	0.00	39.11	0.00	54.11	0.00	40.69
1.200	27.0	4.4	44.95	0.00	33.80	0.00	46.76	0.00	35.16
1.300	18.0	2.9	37.88	0.00	28.48	0.00	39.40	0.00	29.62
1.400	9.0	1.5	30.81	0.00	23.16	0.00	32.04	0.00	24.09
1.500	0.0	0.0	23.73	0.00	17.85	0.00	24.69	0.00	18.56
1.600	-9.0	-1.5	-30.81	0.00	-23.16	0.00	-32.04	0.00	-24.09
1.700	-18.0	-2.9	-37.88	0.00	-28.48	0.00	-39.40	0.00	-29.62
1.800	-27.0	-4.4	-44.95	0.00	-33.80	0.00	-46.76	0.00	-35.16
1.900	-36.0	-5.9	-52.02	0.00	-39.11	0.00	-54.11	0.00	-40.69
1.948	-40.3	-13.2	-55.40	0.00	-41.66	0.00	-57.63	0.00	-43.33
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	97.7	47.4	156.1	-177.0	135.1 (2-Lane)
1.300	103.3	47.4	161.7	-182.7	140.8 (1-Lane)
1.400	62.2	31.9	94.1	-104.6	83.7 (2-Lane)
1.400	65.7	31.9	97.6	-108.1	87.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.2	31.9	94.1	-83.7	104.6 (2-Lane)
1.600	65.7	31.9	97.7	-87.2	108.1 (1-Lane)
1.700	97.7	47.4	156.1	-135.1	177.0 (2-Lane)
1.700	103.3	47.4	161.7	-140.8	182.7 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)

1.948 89.1 145.9 246.1 -192.6 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 299.6 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1825
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G10
Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	199.55	3.35	67.01	120.6 (2-Lane)
1.048	191.84	3.22	64.42	116.0 (1-Lane)
1.100	96.68	4.09	81.88	147.4 (2-Lane)
1.100	92.94	3.94	78.71	141.7 (1-Lane)
1.200	36.77	3.74	74.88	134.8 (2-Lane)
1.200	35.35	3.60	71.98	129.6 (1-Lane)
1.300	15.94	3.57	71.36	128.5 (2-Lane)
1.300	15.81	3.57	71.46	128.6 (1-Lane)
1.400	6.01	2.72	54.32	97.8 (2-Lane)
1.400	5.98	2.72	54.41	97.9 (1-Lane)
1.500	3.78	3.78	75.67	136.2 (2-Lane)
1.500	3.64	3.64	72.75	130.9 (1-Lane)
1.600	2.72	6.01	54.32	97.8 (2-Lane)
1.600	2.72	5.98	54.41	97.9 (1-Lane)
1.700	3.57	15.94	71.36	128.5 (2-Lane)
1.700	3.57	15.81	71.46	128.6 (1-Lane)
1.800	3.74	36.77	74.88	134.8 (2-Lane)
1.800	3.60	35.35	71.98	129.6 (1-Lane)
1.900	4.25	96.96	84.95	152.9 (2-Lane)
1.900	4.08	93.21	81.66	147.0 (1-Lane)
1.948	3.48	182.74	69.54	125.2 (2-Lane)
1.948	3.34	175.68	66.85	120.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1827
MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G10
Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	LL	1.25	LL	1.25	LL	1.35	LL	1.35		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	239.92 R	0.00	180.39	0.00	217.18 R	0.00	163.29	0.00
1.200	409.0	66.8	417.44 R	0.00	313.86	0.00	377.88 R	0.00	284.12	0.00
1.300	536.8	87.7	532.56 R	0.00	400.42	0.00	482.09 R	0.00	362.47	0.00
1.400	613.5	100.3	598.47 R	0.00	449.97	0.00	541.75 R	0.00	407.33	0.00
1.500	639.0	104.4	610.77 R	0.00	459.22	0.00	552.88 R	0.00	415.70	0.00
1.600	613.5	100.3	598.47 R	0.00	449.97	0.00	541.75 R	0.00	407.33	0.00
1.700	536.8	87.7	532.56 R	0.00	400.42	0.00	482.09 R	0.00	362.47	0.00
1.800	409.0	66.8	417.44 R	0.00	313.86	0.00	377.88 R	0.00	284.12	0.00
1.900	230.0	37.6	239.92 R	0.00	180.39	0.00	217.18 R	0.00	163.29	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1828
STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G10
Rating Type: I-OPER
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.32	999.00		13.32	999.00	0.00	333.1 (2-Lane)
1.100	14.72	999.00		14.72	999.00	0.00	367.9 (1-Lane)
1.200	7.39	999.00		7.39	999.00	0.00	184.7 (2-Lane)
1.200	8.16	999.00		8.16	999.00	0.00	204.1 (1-Lane)
1.300	5.74	999.00		5.74	999.00	0.00	143.4 (2-Lane)
1.300	6.34	999.00		6.34	999.00	0.00	158.4 (1-Lane)
1.400	5.02	999.00		5.02	999.00	0.00	125.6 (2-Lane)
1.400	5.55	999.00		5.55	999.00	0.00	138.7 (1-Lane)
1.500	4.87	999.00		4.87	999.00	0.00	121.8 (2-Lane)
1.500	5.38	999.00		5.38	999.00	0.00	134.6 (1-Lane)
1.600	5.02	999.00		5.02	999.00	0.00	125.6 (2-Lane)
1.600	5.55	999.00		5.55	999.00	0.00	138.7 (1-Lane)
1.700	5.74	999.00		5.74	999.00	0.00	143.4 (2-Lane)
1.700	6.34	999.00		6.34	999.00	0.00	158.4 (1-Lane)
1.800	7.39	999.00		7.39	999.00	0.00	184.7 (2-Lane)
1.800	8.16	999.00		8.16	999.00	0.00	204.1 (1-Lane)
1.900	13.23	999.00		13.23	999.00	0.00	330.7 (2-Lane)
1.900	14.61	999.00		14.61	999.00	0.00	365.3 (1-Lane)
1.948	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.35	LL	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	40.34	0.00	30.33	0.00
1.100	39.6	5.9	37.76	0.00	28.39	0.00
1.200	27.0	4.4	32.85	0.00	24.70	0.00
1.300	18.0	2.9	27.94	0.00	21.01	0.00
1.400	9.0	1.5	23.03	0.00	17.32	0.00
1.500	0.0	0.0	18.12	0.00	13.62	0.00
1.600	-9.0	-1.5	-23.03	0.00	-17.32	0.00
1.700	-18.0	-2.9	-27.94	0.00	-21.01	0.00
1.800	-27.0	-4.4	-32.85	0.00	-24.70	0.00
1.900	-36.0	-5.9	-37.76	0.00	-28.39	0.00
1.948	-40.3	-13.2	-40.11	0.00	-30.16	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1831

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: 3

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	-231.1	168.3 (1-Lane)
1.300	95.4	47.4	-174.8	132.9 (2-Lane)
1.300	100.1	47.4	-179.4	137.5 (1-Lane)
1.400	59.7	31.9	-102.2	81.2 (2-Lane)
1.400	62.6	31.9	-105.1	84.1 (1-Lane)
1.500	39.4	50.4	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	-89.8	89.8 (1-Lane)
1.600	59.7	31.9	-81.2	102.2 (2-Lane)
1.600	62.6	31.9	-84.1	105.1 (1-Lane)
1.700	95.4	47.4	-132.9	174.8 (2-Lane)
1.700	100.1	47.4	-137.5	179.4 (1-Lane)
1.800	106.0	82.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: 3

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	375.63	4.63	0.00	115.7 (2-Lane)
1.048	361.11	4.45	0.00	111.3 (1-Lane)
1.100	140.47	5.64	0.00	141.0 (2-Lane)
1.100	135.04	5.42	0.00	135.5 (1-Lane)
1.200	42.01	5.12	0.00	128.1 (2-Lane)
1.200	40.38	4.93	0.00	123.1 (1-Lane)
1.300	19.76	4.76	0.00	118.9 (2-Lane)
1.300	19.51	4.73	0.00	118.3 (1-Lane)
1.400	7.73	3.53	0.00	88.2 (2-Lane)
1.400	7.65	3.51	0.00	87.8 (1-Lane)
1.500	4.96	4.96	0.00	123.9 (2-Lane)
1.500	4.76	4.76	0.00	119.1 (1-Lane)
1.600	3.53	7.73	0.00	88.2 (2-Lane)
1.600	3.51	7.65	0.00	87.8 (1-Lane)
1.700	4.76	19.76	0.00	118.9 (2-Lane)
1.700	4.73	19.51	0.00	118.3 (1-Lane)
1.800	5.12	42.01	0.00	128.1 (2-Lane)
1.800	4.93	40.38	0.00	123.1 (1-Lane)
1.900	5.85	140.88	0.00	146.3 (2-Lane)
1.900	5.62	135.43	0.00	140.6 (1-Lane)
1.948	4.80	343.98	0.00	120.1 (2-Lane)
1.948	4.62	330.68	0.00	115.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1834

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	283.13 R	0.00	212.88	0.00	256.30 R	0.00	192.70	0.00
1.200	409.0	66.8	466.42 R	0.00	350.69	0.00	422.21 R	0.00	317.45	0.00
1.300	536.8	87.7	610.52 R	0.00	459.04	0.00	552.66 R	0.00	415.54	0.00
1.400	613.5	100.3	675.89 R	0.00	508.19	0.00	611.84 R	0.00	460.03	0.00
1.500	639.0	104.4	663.40 R	0.00	498.79	0.00	600.52 R	0.00	451.52	0.00
1.600	613.5	100.3	675.89 R	0.00	508.19	0.00	611.84 R	0.00	460.03	0.00
1.700	536.8	87.7	610.52 R	0.00	459.04	0.00	552.66 R	0.00	415.54	0.00
1.800	409.0	66.8	466.42 R	0.00	350.69	0.00	422.21 R	0.00	317.45	0.00
1.900	230.0	37.6	283.13 R	0.00	212.88	0.00	256.30 R	0.00	192.70	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1835

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	
1.000	999.00	999.00		999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00		999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00		999.00	999.00	999.0 (1-Lane)
1.100	11.29	999.00		11.29	999.00	451.6 (2-Lane)
1.100	12.47	999.00		12.47	999.00	498.8 (1-Lane)
1.200	6.61	999.00		6.61	999.00	264.5 (2-Lane)
1.200	7.31	999.00		7.31	999.00	292.2 (1-Lane)
1.300	5.00	999.00		5.00	999.00	200.2 (2-Lane)
1.300	5.53	999.00		5.53	999.00	221.1 (1-Lane)
1.400	4.45	999.00		4.45	999.00	177.9 (2-Lane)
1.400	4.91	999.00		4.91	999.00	196.5 (1-Lane)
1.500	4.49	999.00		4.49	999.00	179.4 (2-Lane)
1.500	4.96	999.00		4.96	999.00	198.2 (1-Lane)
1.600	4.45	999.00		4.45	999.00	177.9 (2-Lane)
1.600	4.91	999.00		4.91	999.00	196.5 (1-Lane)
1.700	5.00	999.00		5.00	999.00	200.2 (2-Lane)
1.700	5.53	999.00		5.53	999.00	221.1 (1-Lane)
1.800	6.61	999.00		6.61	999.00	264.5 (2-Lane)
1.800	7.31	999.00		7.31	999.00	292.2 (1-Lane)
1.900	11.21	999.00		11.21	999.00	448.4 (2-Lane)
1.900	12.38	999.00		12.38	999.00	495.3 (1-Lane)
1.948	999.00	999.00		999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00		999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1837

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	48.68	0.00	36.61	0.00	50.64	0.00	38.08	0.00
1.100	39.6	5.9	44.56	0.00	33.51	0.00	46.36	0.00	34.85	0.00
1.200	27.0	4.4	36.71	0.00	27.60	0.00	38.18	0.00	28.71	0.00
1.300	18.0	2.9	29.11	0.00	21.89	0.00	30.28	0.00	22.77	0.00
1.400	9.0	1.5	22.61	0.00	17.00	0.00	23.52	0.00	17.68	0.00
1.500	0.0	0.0	16.22	0.00	12.20	0.00	16.88	0.00	12.69	0.00
1.600	-9.0	-1.5	-22.61	0.00	-17.00	0.00	-23.52	0.00	-17.68	0.00
1.700	-18.0	-2.9	-29.11	0.00	-21.89	0.00	-30.28	0.00	-22.77	0.00
1.800	-27.0	-4.4	-36.71	0.00	-27.60	0.00	-38.18	0.00	-28.71	0.00
1.900	-36.0	-5.9	-44.56	0.00	-33.51	0.00	-46.36	0.00	-34.85	0.00
1.948	-40.3	-13.2	-48.32	0.00	-36.33	0.00	-50.26	0.00	-37.79	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	92.6	47.4	151.1	-172.0	130.1 (2-Lane)
1.300	97.4	47.4	155.8	-176.8	134.9 (1-Lane)
1.400	57.1	31.9	89.0	-99.5	78.6 (2-Lane)
1.400	59.9	31.9	91.9	-102.3	81.4 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	57.1	31.9	89.0	-78.6	99.5 (2-Lane)
1.600	59.9	31.9	91.9	-81.4	102.3 (1-Lane)
1.700	92.6	47.4	151.1	-130.1	172.0 (2-Lane)
1.700	97.4	47.4	155.8	-134.9	176.8 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1839

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	375.63	3.84	0.00	153.4 (2-Lane)
1.048	361.11	3.69	0.00	147.5 (1-Lane)
1.100	140.47	4.78	0.00	191.2 (2-Lane)
1.100	135.04	4.59	0.00	183.8 (1-Lane)
1.200	42.01	4.59	0.00	183.4 (2-Lane)
1.200	40.38	4.41	0.00	176.3 (1-Lane)
1.300	19.45	4.47	0.00	178.8 (2-Lane)
1.300	19.22	4.45	0.00	178.2 (1-Lane)
1.400	8.17	3.47	0.00	139.0 (2-Lane)
1.400	8.08	3.46	0.00	138.4 (1-Lane)

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1.500	5.53	5.53	0.00	221.4	(2-Lane)
1.500	5.32	5.32	0.00	212.8	(1-Lane)
1.600	3.47	8.17	0.00	139.0	(2-Lane)
1.600	3.46	8.08	0.00	138.4	(1-Lane)
1.700	4.47	19.45	0.00	178.8	(2-Lane)
1.700	4.45	19.22	0.00	178.2	(1-Lane)
1.800	4.59	42.01	0.00	183.4	(2-Lane)
1.800	4.41	40.38	0.00	176.3	(1-Lane)
1.900	4.96	140.88	0.00	198.3	(2-Lane)
1.900	4.77	135.43	0.00	190.7	(1-Lane)
1.948	3.99	343.98	0.00	159.5	(2-Lane)
1.948	3.83	330.68	0.00	153.3	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1841

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	242.99 R	0.00	182.70	0.00	219.96 R	0.00	165.38	0.00
1.200	409.0	66.8	401.11 R	0.00	301.59	0.00	363.10 R	0.00	273.01	0.00
1.300	536.8	87.7	502.51 R	0.00	377.82	0.00	454.88 R	0.00	342.02	0.00
1.400	613.5	100.3	527.83 R	0.00	396.86	0.00	477.81 R	0.00	359.25	0.00
1.500	639.0	104.4	559.71 R	0.00	420.83	0.00	506.67 R	0.00	380.95	0.00
1.600	613.5	100.3	527.83 R	0.00	396.86	0.00	477.80 R	0.00	359.25	0.00
1.700	536.8	87.7	502.51 R	0.00	377.82	0.00	454.88 R	0.00	342.02	0.00
1.800	409.0	66.8	401.11 R	0.00	301.59	0.00	363.10 R	0.00	273.01	0.00
1.900	230.0	37.6	242.99 R	0.00	182.70	0.00	219.96 R	0.00	165.38	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.048	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	13.15	999.00	13.15	999.00	0.00 526.2 (2-Lane)
1.100	14.53	999.00	14.53	999.00	0.00 581.3 (1-Lane)
1.200	7.69	999.00	7.69	999.00	0.00 307.6 (2-Lane)
1.200	8.49	999.00	8.49	999.00	0.00 339.8 (1-Lane)
1.300	6.08	999.00	6.08	999.00	0.00 243.2 (2-Lane)
1.300	6.72	999.00	6.72	999.00	0.00 268.7 (1-Lane)
1.400	5.69	999.00	5.69	999.00	0.00 227.8 (2-Lane)
1.400	6.29	999.00	6.29	999.00	0.00 251.6 (1-Lane)
1.500	5.32	999.00	5.32	999.00	0.00 212.7 (2-Lane)
1.500	5.87	999.00	5.87	999.00	0.00 234.9 (1-Lane)
1.600	5.69	999.00	5.69	999.00	0.00 227.8 (2-Lane)
1.600	6.29	999.00	6.29	999.00	0.00 251.6 (1-Lane)
1.700	6.08	999.00	6.08	999.00	0.00 243.2 (2-Lane)
1.700	6.72	999.00	6.72	999.00	0.00 268.7 (1-Lane)
1.800	7.69	999.00	7.69	999.00	0.00 307.6 (2-Lane)
1.800	8.49	999.00	8.49	999.00	0.00 339.8 (1-Lane)
1.900	13.06	999.00	13.06	999.00	0.00 522.4 (2-Lane)
1.900	14.43	999.00	14.43	999.00	0.00 577.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	41.77	0.00	31.40	0.00	43.45	0.00	32.67	0.00
1.100	39.6	5.9	38.25	0.00	28.76	0.00	39.78	0.00	29.91	0.00
1.200	27.0	4.4	31.57	0.00	23.73	0.00	32.84	0.00	24.69	0.00
1.300	18.0	2.9	24.89	0.00	18.71	0.00	25.89	0.00	19.47	0.00
1.400	9.0	1.5	19.43	0.00	14.61	0.00	20.21	0.00	15.19	0.00
1.500	0.0	0.0	15.10	0.00	11.36	0.00	15.71	0.00	11.81	0.00
1.600	-9.0	-1.5	-19.43	0.00	-14.61	0.00	-20.21	0.00	-15.19	0.00
1.700	-18.0	-2.9	-24.89	0.00	-18.71	0.00	-25.89	0.00	-19.47	0.00
1.800	-27.0	-4.4	-31.57	0.00	-23.73	0.00	-32.84	0.00	-24.69	0.00
1.900	-36.0	-5.9	-38.25	0.00	-28.76	0.00	-39.78	0.00	-29.91	0.00
1.948	-40.3	-13.2	-41.44	0.00	-31.16	0.00	-43.11	0.00	-32.41	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	92.9	47.4	151.3	-172.2	130.3 (2-Lane)
1.300	97.2	47.4	155.6	-176.6	134.7 (1-Lane)
1.400	57.5	31.9	89.5	-99.9	79.0 (2-Lane)
1.400	60.1	31.9	92.0	-102.5	81.5 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	57.5	31.9	89.5	-79.0	99.9 (2-Lane)
1.600	60.1	31.9	92.0	-81.5	102.5 (1-Lane)
1.700	92.9	47.4	151.3	-130.3	172.2 (2-Lane)
1.700	97.2	47.4	155.6	-134.7	176.6 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	456.12	4.47	0.00	178.8 (2-Lane)
1.048	438.48	4.30	0.00	171.9 (1-Lane)
1.100	170.57	5.57	0.00	222.7 (2-Lane)
1.100	163.97	5.35	0.00	214.1 (1-Lane)
1.200	51.01	5.33	0.00	213.2 (2-Lane)
1.200	49.03	5.12	0.00	205.0 (1-Lane)
1.300	23.65	5.24	0.00	209.5 (2-Lane)
1.300	23.31	5.20	0.00	208.1 (1-Lane)
1.400	9.27	4.07	0.00	162.7 (2-Lane)
1.400	9.14	4.03	0.00	161.4 (1-Lane)
1.500	5.95	5.95	0.00	237.8 (2-Lane)
1.500	5.72	5.72	0.00	228.6 (1-Lane)
1.600	4.07	9.27	0.00	162.7 (2-Lane)
1.600	4.04	9.14	0.00	161.4 (1-Lane)
1.700	5.24	23.65	0.00	209.5 (2-Lane)
1.700	5.20	23.31	0.00	208.1 (1-Lane)
1.800	5.33	51.01	0.00	213.2 (2-Lane)
1.800	5.12	49.03	0.00	205.0 (1-Lane)
1.900	5.78	171.07	0.00	231.1 (2-Lane)
1.900	5.55	164.45	0.00	222.2 (1-Lane)
1.948	4.65	417.69	0.00	185.9 (2-Lane)
1.948	4.47	401.54	0.00	178.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	265.02 R	0.00	199.26	0.00	239.90 R	0.00	180.38	0.00
1.200	409.0	66.8	462.65 R	0.00	347.86	0.00	418.80 R	0.00	314.89	0.00
1.300	536.8	87.7	592.89 R	0.00	445.78	0.00	536.70 R	0.00	403.53	0.00
1.400	613.5	100.3	675.95 R	0.00	508.23	0.00	611.89 R	0.00	460.07	0.00
1.500	639.0	104.4	695.14 R	0.00	522.66	0.00	629.26 R	0.00	473.13	0.00
1.600	613.5	100.3	675.95 R	0.00	508.23	0.00	611.89 R	0.00	460.07	0.00
1.700	536.8	87.7	592.89 R	0.00	445.78	0.00	536.70 R	0.00	403.53	0.00
1.800	409.0	66.8	462.65 R	0.00	347.86	0.00	418.80 R	0.00	314.89	0.00
1.900	230.0	37.6	265.02 R	0.00	199.26	0.00	239.90 R	0.00	180.38	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0

1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.06	999.00	12.06	999.00	0.00	325.6 (2-Lane)
1.100	13.32	999.00	13.32	999.00	0.00	359.7 (1-Lane)
1.200	6.67	999.00	6.67	999.00	0.00	180.0 (2-Lane)
1.200	7.36	999.00	7.36	999.00	0.00	198.9 (1-Lane)
1.300	5.15	999.00	5.15	999.00	0.00	139.1 (2-Lane)
1.300	5.69	999.00	5.69	999.00	0.00	153.7 (1-Lane)
1.400	4.45	999.00	4.45	999.00	0.00	120.1 (2-Lane)
1.400	4.91	999.00	4.91	999.00	0.00	132.6 (1-Lane)
1.500	4.28	999.00	4.28	999.00	0.00	115.6 (2-Lane)
1.500	4.73	999.00	4.73	999.00	0.00	127.7 (1-Lane)
1.600	4.45	999.00	4.45	999.00	0.00	120.1 (2-Lane)
1.600	4.91	999.00	4.91	999.00	0.00	132.6 (1-Lane)
1.700	5.15	999.00	5.15	999.00	0.00	139.1 (2-Lane)
1.700	5.69	999.00	5.69	999.00	0.00	153.7 (1-Lane)
1.800	6.67	999.00	6.67	999.00	0.00	180.0 (2-Lane)
1.800	7.36	999.00	7.36	999.00	0.00	198.9 (1-Lane)
1.900	11.98	999.00	11.98	999.00	0.00	323.3 (2-Lane)
1.900	13.23	999.00	13.23	999.00	0.00	357.2 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.35	LL	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	44.50	0.00	33.46	0.00
1.100	39.6	5.9	41.71	0.00	31.36	0.00
1.200	27.0	4.4	36.41	0.00	27.38	0.00
1.300	18.0	2.9	31.11	0.00	23.39	0.00
1.400	9.0	1.5	25.80	0.00	19.40	0.00
1.500	0.0	0.0	20.50	0.00	15.41	0.00
1.600	-9.0	-1.5	-25.80	0.00	-19.40	0.00
1.700	-18.0	-2.9	-31.11	0.00	-23.39	0.00
1.800	-27.0	-4.4	-36.41	0.00	-27.38	0.00
1.900	-36.0	-5.9	-41.71	0.00	-31.36	0.00
1.948	-40.3	-13.2	-44.25	0.00	-33.27	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-OPER
 Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	96.2	47.4	154.6	-175.6	133.7 (2-Lane)
1.300	101.2	47.4	159.6	-180.6	138.7 (1-Lane)
1.400	60.6	31.9	92.6	-103.0	82.1 (2-Lane)
1.400	63.7	31.9	95.7	-106.2	85.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	60.6	31.9	92.6	-82.1	103.0 (2-Lane)
1.600	63.7	31.9	95.7	-85.2	106.2 (1-Lane)
1.700	96.2	47.4	154.6	-133.7	175.6 (2-Lane)
1.700	101.2	47.4	159.6	-138.7	180.6 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-OPER
 Rating Live Load: SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	375.63	4.20	0.00	113.3 (2-Lane)
1.048	361.11	4.03	0.00	108.9 (1-Lane)
1.100	140.47	5.11	0.00	137.9 (2-Lane)
1.100	135.04	4.91	0.00	132.5 (1-Lane)
1.200	38.74	4.62	0.00	124.8 (2-Lane)
1.200	37.24	4.44	0.00	120.0 (1-Lane)
1.300	17.40	4.30	0.00	116.0 (2-Lane)
1.300	17.20	4.29	0.00	115.7 (1-Lane)
1.400	6.78	3.18	0.00	85.9 (2-Lane)
1.400	6.72	3.17	0.00	85.7 (1-Lane)
1.500	4.38	4.38	0.00	118.3 (2-Lane)
1.500	4.21	4.21	0.00	113.7 (1-Lane)
1.600	3.18	6.78	0.00	85.9 (2-Lane)
1.600	3.17	6.72	0.00	85.7 (1-Lane)
1.700	4.30	17.40	0.00	116.0 (2-Lane)
1.700	4.29	17.20	0.00	115.7 (1-Lane)
1.800	4.62	38.74	0.00	124.8 (2-Lane)
1.800	4.44	37.24	0.00	120.0 (1-Lane)
1.900	5.30	140.88	0.00	143.0 (2-Lane)
1.900	5.09	135.43	0.00	137.5 (1-Lane)
1.948	4.35	343.98	0.00	117.5 (2-Lane)
1.948	4.18	330.68	0.00	113.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-OPER
 Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25		1.25		LL	LL
					1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
------	-----------	------------------------	-------------------------------	---------------------------------	-------------------------------	---------------------------------

1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	294.12 R	0.00	221.15	0.00	266.25 R	0.00	200.19	0.00
1.200	409.0	66.8	510.87 R	0.00	384.11	0.00	462.46 R	0.00	347.71	0.00
1.300	536.8	87.7	657.28 R	0.00	494.19	0.00	594.99 R	0.00	447.36	0.00
1.400	613.5	100.3	746.53 R	0.00	561.30	0.00	675.78 R	0.00	508.11	0.00
1.500	639.0	104.4	758.40 R	0.00	570.23	0.00	686.53 R	0.00	516.19	0.00
1.600	613.5	100.3	746.53 R	0.00	561.30	0.00	675.78 R	0.00	508.11	0.00
1.700	536.8	87.7	657.28 R	0.00	494.19	0.00	594.99 R	0.00	447.36	0.00
1.800	409.0	66.8	510.87 R	0.00	384.11	0.00	462.46 R	0.00	347.71	0.00
1.900	230.0	37.6	294.12 R	0.00	221.15	0.00	266.25 R	0.00	200.19	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.87	999.00	10.87	999.00	0.00	336.9 (2-Lane)
1.100	12.01	999.00	12.01	999.00	0.00	372.2 (1-Lane)
1.200	6.04	999.00	6.04	999.00	0.00	187.2 (2-Lane)
1.200	6.67	999.00	6.67	999.00	0.00	206.8 (1-Lane)
1.300	4.65	999.00	4.65	999.00	0.00	144.1 (2-Lane)
1.300	5.14	999.00	5.14	999.00	0.00	159.2 (1-Lane)
1.400	4.03	999.00	4.03	999.00	0.00	124.8 (2-Lane)
1.400	4.45	999.00	4.45	999.00	0.00	137.9 (1-Lane)
1.500	3.92	999.00	3.92	999.00	0.00	121.6 (2-Lane)
1.500	4.34	999.00	4.34	999.00	0.00	134.4 (1-Lane)
1.600	4.03	999.00	4.03	999.00	0.00	124.8 (2-Lane)
1.600	4.45	999.00	4.45	999.00	0.00	137.9 (1-Lane)
1.700	4.65	999.00	4.65	999.00	0.00	144.1 (2-Lane)
1.700	5.14	999.00	5.14	999.00	0.00	159.2 (1-Lane)
1.800	6.04	999.00	6.04	999.00	0.00	187.2 (2-Lane)
1.800	6.67	999.00	6.67	999.00	0.00	206.8 (1-Lane)
1.900	10.79	999.00	10.79	999.00	0.00	334.5 (2-Lane)
1.900	11.92	999.00	11.92	999.00	0.00	369.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	49.49	0.00	37.21	0.00	51.48	0.00	38.71	0.00
1.100	39.6	5.9	46.29	0.00	34.81	0.00	48.16	0.00	36.21	0.00
1.200	27.0	4.4	40.20	0.00	30.23	0.00	41.82	0.00	31.44	0.00
1.300	18.0	2.9	34.12	0.00	25.65	0.00	35.49	0.00	26.68	0.00
1.400	9.0	1.5	28.03	0.00	21.07	0.00	29.15	0.00	21.92	0.00
1.500	0.0	0.0	21.94	0.00	16.49	0.00	22.82	0.00	17.16	0.00
1.600	-9.0	-1.5	-28.03	0.00	-21.07	0.00	-29.15	0.00	-21.92	0.00
1.700	-18.0	-2.9	-34.12	0.00	-25.65	0.00	-35.49	0.00	-26.68	0.00
1.800	-27.0	-4.4	-40.20	0.00	-30.23	0.00	-41.82	0.00	-31.44	0.00
1.900	-36.0	-5.9	-46.29	0.00	-34.81	0.00	-48.16	0.00	-36.21	0.00
1.948	-40.3	-13.2	-49.21	0.00	-37.00	0.00	-51.19	0.00	-38.49	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	96.5	47.4	154.9	-175.9	134.0 (2-Lane)
1.300	101.8	47.4	160.2	-181.2	139.3 (1-Lane)
1.400	61.0	31.9	93.0	-103.4	82.5 (2-Lane)
1.400	64.3	31.9	96.3	-106.7	85.8 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	61.0	31.9	93.0	-82.5	103.4 (2-Lane)
1.600	64.3	31.9	96.3	-85.8	106.7 (1-Lane)
1.700	96.5	47.4	154.9	-134.0	175.9 (2-Lane)
1.700	101.8	47.4	160.2	-139.3	181.2 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU5

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	375.63	3.77	0.00	117.0 (2-Lane)
1.048	361.11	3.63	0.00	112.4 (1-Lane)
1.100	140.47	4.60	0.00	142.6 (2-Lane)
1.100	135.04	4.42	0.00	137.1 (1-Lane)
1.200	38.74	4.19	0.00	129.8 (2-Lane)
1.200	37.24	4.02	0.00	124.7 (1-Lane)
1.300	16.30	3.93	0.00	121.7 (2-Lane)
1.300	16.14	3.92	0.00	121.7 (1-Lane)
1.400	6.53	2.94	0.00	91.2 (2-Lane)
1.400	6.47	2.94	0.00	91.2 (1-Lane)
1.500	4.09	4.09	0.00	126.9 (2-Lane)
1.500	3.93	3.93	0.00	122.0 (1-Lane)
1.600	2.94	6.53	0.00	91.2 (2-Lane)

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1.600	2.94	6.47	0.00	91.2 (1-Lane)
1.700	3.93	16.30	0.00	121.7 (2-Lane)
1.700	3.92	16.14	0.00	121.7 (1-Lane)
1.800	4.19	38.74	0.00	129.8 (2-Lane)
1.800	4.02	37.24	0.00	124.7 (1-Lane)
1.900	4.77	140.88	0.00	148.0 (2-Lane)
1.900	4.59	135.43	0.00	142.2 (1-Lane)
1.948	3.91	343.98	0.00	121.4 (2-Lane)
1.948	3.76	330.68	0.00	116.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	310.42 R	0.00	233.40	0.00	281.00 R	0.00	211.28	0.00
1.200	409.0	66.8	560.04 R	0.00	421.08	0.00	506.96 R	0.00	381.17	0.00
1.300	536.8	87.7	727.54 R	0.00	547.02	0.00	658.59 R	0.00	495.18	0.00
1.400	613.5	100.3	820.61 R	0.00	617.00	0.00	742.84 R	0.00	558.52	0.00
1.500	639.0	104.4	845.18 R	0.00	635.48	0.00	765.09 R	0.00	575.25	0.00
1.600	613.5	100.3	820.61 R	0.00	617.00	0.00	742.84 R	0.00	558.52	0.00
1.700	536.8	87.7	727.54 R	0.00	547.02	0.00	658.59 R	0.00	495.18	0.00
1.800	409.0	66.8	560.04 R	0.00	421.08	0.00	506.96 R	0.00	381.17	0.00
1.900	230.0	37.6	310.42 R	0.00	233.40	0.00	281.00 R	0.00	211.28	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.30	999.00	10.30	999.00	0.00	357.8 (2-Lane)
1.100	11.38	999.00	11.38	999.00	0.00	395.3 (1-Lane)

1.200	5.51	999.00	5.51	999.00	0.00	191.4 (2-Lane)
1.200	6.09	999.00	6.09	999.00	0.00	211.4 (1-Lane)
1.300	4.20	999.00	4.20	999.00	0.00	145.9 (2-Lane)
1.300	4.64	999.00	4.64	999.00	0.00	161.2 (1-Lane)
1.400	3.66	999.00	3.66	999.00	0.00	127.3 (2-Lane)
1.400	4.05	999.00	4.05	999.00	0.00	140.6 (1-Lane)
1.500	3.52	999.00	3.52	999.00	0.00	122.4 (2-Lane)
1.500	3.89	999.00	3.89	999.00	0.00	135.2 (1-Lane)
1.600	3.66	999.00	3.66	999.00	0.00	127.3 (2-Lane)
1.600	4.05	999.00	4.05	999.00	0.00	140.6 (1-Lane)
1.700	4.20	999.00	4.20	999.00	0.00	145.9 (2-Lane)
1.700	4.64	999.00	4.64	999.00	0.00	161.2 (1-Lane)
1.800	5.51	999.00	5.51	999.00	0.00	191.4 (2-Lane)
1.800	6.09	999.00	6.09	999.00	0.00	211.4 (1-Lane)
1.900	10.22	999.00	10.22	999.00	0.00	355.3 (2-Lane)
1.900	11.29	999.00	11.29	999.00	0.00	392.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1865

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	52.44	0.00	39.43	0.00	54.55	0.00	41.01	0.00
1.100	39.6	5.9	48.86	0.00	36.74	0.00	50.82	0.00	38.21	0.00
1.200	27.0	4.4	42.03	0.00	31.60	0.00	43.72	0.00	32.87	0.00
1.300	18.0	2.9	35.21	0.00	26.47	0.00	36.62	0.00	27.54	0.00
1.400	9.0	1.5	28.38	0.00	21.34	0.00	29.52	0.00	22.20	0.00
1.500	0.0	0.0	21.56	0.00	16.21	0.00	22.42	0.00	16.86	0.00
1.600	-9.0	-1.5	-28.38	0.00	-21.34	0.00	-29.52	0.00	-22.20	0.00
1.700	-18.0	-2.9	-35.21	0.00	-26.47	0.00	-36.62	0.00	-27.54	0.00
1.800	-27.0	-4.4	-42.03	0.00	-31.60	0.00	-43.72	0.00	-32.87	0.00
1.900	-36.0	-5.9	-48.86	0.00	-36.74	0.00	-50.82	0.00	-38.21	0.00
1.948	-40.3	-13.2	-52.12	0.00	-39.19	0.00	-54.22	0.00	-40.77	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	94.2	47.4	152.7	-173.6	131.7 (2-Lane)
1.300	99.6	47.4	158.0	-178.9	137.0 (1-Lane)
1.400	59.4	31.9	91.4	-101.8	80.9 (2-Lane)
1.400	62.7	31.9	94.6	-105.1	84.2 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.4	31.9	91.4	-80.9	101.8 (2-Lane)
1.600	62.7	31.9	94.6	-84.2	105.1 (1-Lane)
1.700	94.2	47.4	152.7	-131.7	173.6 (2-Lane)
1.700	99.6	47.4	158.0	-137.0	178.9 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	555.28	3.56	0.00	123.7 (2-Lane)
1.048	533.81	3.42	0.00	119.0 (1-Lane)
1.100	237.53	4.36	0.00	151.5 (2-Lane)
1.100	228.34	4.19	0.00	145.6 (1-Lane)
1.200	48.95	4.00	0.00	139.1 (2-Lane)
1.200	47.06	3.85	0.00	133.7 (1-Lane)
1.300	17.92	3.74	0.00	130.0 (2-Lane)
1.300	17.76	3.74	0.00	130.0 (1-Lane)
1.400	6.62	2.85	0.00	99.0 (2-Lane)
1.400	6.57	2.85	0.00	99.1 (1-Lane)
1.500	4.17	4.17	0.00	144.8 (2-Lane)
1.500	4.01	4.01	0.00	139.2 (1-Lane)
1.600	2.85	6.62	0.00	99.0 (2-Lane)
1.600	2.85	6.57	0.00	99.1 (1-Lane)
1.700	3.74	17.92	0.00	130.0 (2-Lane)
1.700	3.74	17.76	0.00	130.0 (1-Lane)
1.800	4.00	48.95	0.00	139.1 (2-Lane)
1.800	3.85	47.06	0.00	133.7 (1-Lane)
1.900	4.52	238.22	0.00	157.1 (2-Lane)
1.900	4.35	229.01	0.00	151.1 (1-Lane)
1.948	3.70	508.49	0.00	128.4 (2-Lane)
1.948	3.55	488.83	0.00	123.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	207.4	37.6	324.80 R	0.00	244.21	0.00	294.02 R	0.00	221.07	0.00
1.200	409.0	66.8	585.85 R	0.00	440.49	0.00	530.32 R	0.00	398.74	0.00
1.300	536.8	87.7	783.14 R	0.00	588.83	0.00	708.92 R	0.00	533.02	0.00
1.400	613.5	100.3	885.91 R	0.00	666.10	0.00	801.95 R	0.00	602.97	0.00
1.500	639.0	104.4	917.24 R	0.00	689.65	0.00	830.31 R	0.00	624.29	0.00
1.600	613.5	100.3	885.91 R	0.00	666.10	0.00	801.95 R	0.00	602.97	0.00
1.700	536.8	87.7	783.14 R	0.00	588.83	0.00	708.92 R	0.00	533.02	0.00
1.800	409.0	66.8	585.85 R	0.00	440.49	0.00	530.32 R	0.00	398.74	0.00
1.900	230.0	37.6	324.80 R	0.00	244.21	0.00	294.02 R	0.00	221.07	0.00
1.948	120.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU7

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Top	Available Resistance for LL+I Positive Bending Bott.	Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5

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1.600 3719.4 3719.4 0.0 0.0 3005.7 3005.7 -713.7 -713.7
1.700 3679.7 3679.7 0.0 0.0 3055.1 3055.1 -624.5 -624.5
1.800 3560.5 3560.5 0.0 0.0 3084.6 3084.6 -475.8 -475.8
1.900 3441.3 3441.3 0.0 0.0 3173.6 3173.6 -267.7 -267.7
1.948 3384.3 3384.3 0.0 0.0 3264.3 3264.3 -120.0 -120.0
2.000 3322.2 3322.2 0.0 0.0 3322.2 3322.2 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.84	999.00	9.84	999.00	0.00	381.3 (2-Lane)
1.100	10.87	999.00	10.87	999.00	0.00	421.3 (1-Lane)
1.200	5.26	999.00	5.26	999.00	0.00	204.0 (2-Lane)
1.200	5.82	999.00	5.82	999.00	0.00	225.4 (1-Lane)
1.300	3.90	999.00	3.90	999.00	0.00	151.2 (2-Lane)
1.300	4.31	999.00	4.31	999.00	0.00	167.0 (1-Lane)
1.400	3.39	999.00	3.39	999.00	0.00	131.5 (2-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	145.2 (1-Lane)
1.500	3.24	999.00	3.24	999.00	0.00	125.7 (2-Lane)
1.500	3.58	999.00	3.58	999.00	0.00	138.9 (1-Lane)
1.600	3.39	999.00	3.39	999.00	0.00	131.5 (2-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	145.2 (1-Lane)
1.700	3.90	999.00	3.90	999.00	0.00	151.2 (2-Lane)
1.700	4.31	999.00	4.31	999.00	0.00	167.0 (1-Lane)
1.800	5.26	999.00	5.26	999.00	0.00	204.0 (2-Lane)
1.800	5.82	999.00	5.82	999.00	0.00	225.4 (1-Lane)
1.900	9.77	999.00	9.77	999.00	0.00	378.6 (2-Lane)
1.900	10.79	999.00	10.79	999.00	0.00	418.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	42.4	6.7	55.12	0.00	41.44	0.00	57.33	0.00
1.100	39.6	5.9	51.12	0.00	38.44	0.00	53.18	0.00
1.200	27.0	4.4	43.51	0.00	32.71	0.00	45.26	0.00
1.300	18.0	2.9	35.90	0.00	26.99	0.00	37.34	0.00
1.400	9.0	1.5	28.29	0.00	21.27	0.00	29.43	0.00
1.500	0.0	0.0	21.00	0.00	15.79	0.00	21.84	0.00
1.600	-9.0	-1.5	-28.29	0.00	-21.27	0.00	-29.43	0.00
1.700	-18.0	-2.9	-35.90	0.00	-26.99	0.00	-37.34	0.00
1.800	-27.0	-4.4	-43.51	0.00	-32.71	0.00	-45.26	0.00
1.900	-36.0	-5.9	-51.12	0.00	-38.44	0.00	-53.18	0.00
1.948	-40.3	-13.2	-54.76	0.00	-41.18	0.00	-56.97	0.00
2.000	-45.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	92.4	47.4	150.8	-171.8	129.9 (2-Lane)
1.300	97.7	47.4	156.1	-177.1	135.2 (1-Lane)
1.400	57.8	31.9	89.7	-100.2	79.2 (2-Lane)
1.400	61.0	31.9	92.9	-103.4	82.4 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	57.8	31.9	89.7	-79.2	100.2 (2-Lane)
1.600	61.0	31.9	92.9	-82.4	103.4 (1-Lane)
1.700	92.4	47.4	150.8	-129.9	171.8 (2-Lane)
1.700	97.7	47.4	156.1	-135.2	177.1 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-OPER
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	555.28	3.39	0.00	131.3 (2-Lane)
1.048	533.81	3.26	0.00	126.2 (1-Lane)
1.100	269.03	4.17	0.00	161.4 (2-Lane)
1.100	258.63	4.01	0.00	155.2 (1-Lane)
1.200	64.63	3.87	0.00	149.9 (2-Lane)
1.200	62.13	3.72	0.00	144.1 (1-Lane)
1.300	20.35	3.62	0.00	140.2 (2-Lane)
1.300	20.17	3.62	0.00	140.3 (1-Lane)
1.400	6.90	2.80	0.00	108.5 (2-Lane)
1.400	6.85	2.80	0.00	108.5 (1-Lane)
1.500	4.28	4.28	0.00	165.7 (2-Lane)
1.500	4.11	4.11	0.00	159.3 (1-Lane)
1.600	2.80	6.90	0.00	108.5 (2-Lane)
1.600	2.80	6.85	0.00	108.5 (1-Lane)
1.700	3.62	20.35	0.00	140.2 (2-Lane)
1.700	3.62	20.17	0.00	140.3 (1-Lane)
1.800	3.87	64.63	0.00	149.9 (2-Lane)
1.800	3.72	62.13	0.00	144.1 (1-Lane)
1.900	4.32	269.81	0.00	167.5 (2-Lane)
1.900	4.16	259.38	0.00	161.0 (1-Lane)
1.948	3.52	508.49	0.00	136.3 (2-Lane)
1.948	3.38	488.83	0.00	131.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	37.6	319.89 R	240.52	289.58 R	217.73

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1.200	409.0	66.8	556.58 R	418.48	503.84 R	378.82
1.300	536.8	87.7	710.08 R	533.89	642.78 R	483.30
1.400	613.5	100.3	797.96 R	599.97	722.33 R	543.11
1.500	639.0	104.4	814.35 R	612.30	737.18 R	554.27
1.600	613.5	100.3	797.96 R	599.97	722.33 R	543.11
1.700	536.8	87.7	710.08 R	533.89	642.78 R	483.30
1.800	409.0	66.8	556.58 R	418.48	503.84 R	378.82
1.900	230.0	37.6	319.89 R	240.52	289.57 R	217.73
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.99	999.00	9.99	999.00	0.00	249.8 (2-Lane)
1.100	11.04	999.00	11.04	999.00	0.00	275.9 (1-Lane)
1.200	5.54	999.00	5.54	999.00	0.00	138.6 (2-Lane)
1.200	6.12	999.00	6.12	999.00	0.00	153.1 (1-Lane)
1.300	4.30	999.00	4.30	999.00	0.00	107.6 (2-Lane)
1.300	4.75	999.00	4.75	999.00	0.00	118.8 (1-Lane)
1.400	3.77	999.00	3.77	999.00	0.00	94.2 (2-Lane)
1.400	4.16	999.00	4.16	999.00	0.00	104.0 (1-Lane)
1.500	3.65	999.00	3.65	999.00	0.00	91.4 (2-Lane)
1.500	4.04	999.00	4.04	999.00	0.00	100.9 (1-Lane)
1.600	3.77	999.00	3.77	999.00	0.00	94.2 (2-Lane)
1.600	4.16	999.00	4.16	999.00	0.00	104.0 (1-Lane)
1.700	4.30	999.00	4.30	999.00	0.00	107.6 (2-Lane)
1.700	4.75	999.00	4.75	999.00	0.00	118.8 (1-Lane)
1.800	5.54	999.00	5.54	999.00	0.00	138.6 (2-Lane)
1.800	6.12	999.00	6.12	999.00	0.00	153.1 (1-Lane)
1.900	9.92	999.00	9.92	999.00	0.00	248.0 (2-Lane)
1.900	10.96	999.00	10.96	999.00	0.00	274.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3
Gamma DC DW LL (1-Lane)
1.25 1.25 1.80 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	53.78	40.44	55.95	42.07
1.100	39.6	5.9	50.35	37.86	52.37	39.38
1.200	27.0	4.4	43.80	32.93	45.56	34.26
1.300	18.0	2.9	37.25	28.01	38.75	29.14
1.400	9.0	1.5	30.71	23.09	31.94	24.02
1.500	0.0	0.0	24.16	18.16	25.13	18.90
1.600	-9.0	-1.5	-30.71	-23.09	-31.94	-24.02
1.700	-18.0	-2.9	-37.25	-28.01	-38.75	-29.14
1.800	-27.0	-4.4	-43.80	-32.93	-45.56	-34.26
1.900	-36.0	-5.9	-50.35	-37.86	-52.37	-39.38
1.948	-40.3	-13.2	-53.48	-40.21	-55.63	-41.83
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	97.6	47.4	156.0	-176.9	135.0 (2-Lane)
1.300	103.1	47.4	161.5	-182.5	140.6 (1-Lane)
1.400	62.4	31.9	94.3	-104.8	83.8 (2-Lane)
1.400	65.9	31.9	97.8	-108.3	87.3 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.4	31.9	94.3	-83.8	104.8 (2-Lane)
1.600	65.9	31.9	97.8	-87.3	108.3 (1-Lane)
1.700	97.6	47.4	156.0	-135.0	176.9 (2-Lane)
1.700	103.1	47.4	161.5	-140.6	182.5 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	281.72	3.47	0.00	86.8 (2-Lane)
1.048	270.83	3.34	0.00	83.4 (1-Lane)
1.100	105.35	4.23	0.00	105.7 (2-Lane)
1.100	101.28	4.07	0.00	101.7 (1-Lane)
1.200	31.50	3.84	0.00	96.0 (2-Lane)
1.200	30.29	3.69	0.00	92.3 (1-Lane)
1.300	15.01	3.62	0.00	90.6 (2-Lane)
1.300	14.88	3.63	0.00	90.7 (1-Lane)
1.400	5.95	2.73	0.00	68.2 (2-Lane)
1.400	5.91	2.73	0.00	68.4 (1-Lane)
1.500	3.72	3.72	0.00	92.9 (2-Lane)
1.500	3.57	3.57	0.00	89.3 (1-Lane)
1.600	2.73	5.95	0.00	68.2 (2-Lane)
1.600	2.73	5.91	0.00	68.4 (1-Lane)
1.700	3.62	15.01	0.00	90.6 (2-Lane)
1.700	3.63	14.88	0.00	90.7 (1-Lane)

1.800	3.84	31.50	0.00	96.0 (2-Lane)
1.800	3.69	30.29	0.00	92.3 (1-Lane)
1.900	4.39	105.66	0.00	109.7 (2-Lane)
1.900	4.22	101.57	0.00	105.5 (1-Lane)
1.948	3.60	257.99	0.00	90.0 (2-Lane)
1.948	3.46	248.01	0.00	86.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1882

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LG

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	37.6	142.17 R	106.90	128.70 R	96.77
1.200	409.0	66.8	247.37 R	185.99	223.93 R	168.37
1.300	536.8	87.7	315.59 R	237.29	285.68 R	214.80
1.400	613.5	100.3	354.65 R	266.65	321.04 R	241.38
1.500	639.0	104.4	361.94 R	272.13	327.63 R	246.34
1.600	613.5	100.3	354.65 R	266.65	321.04 R	241.38
1.700	536.8	87.7	315.59 R	237.29	285.68 R	214.80
1.800	409.0	66.8	247.37 R	185.99	223.93 R	168.37
1.900	230.0	37.6	142.17 R	106.90	128.70 R	96.77
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1882

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL S

Rating Live Load: 3

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	0.00	999.0 (1-Lane)
1.100	44.98	14.88	0.00	372.0 (2-Lane)
1.100	49.69	16.44	0.00	410.9 (1-Lane)

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1.200	23.91	999.00	7.86	999.00	0.00 196.6 (2-Lane)
1.200	26.41	999.00	8.69	999.00	0.00 217.1 (1-Lane)
1.300	18.08	999.00	5.92	999.00	0.00 148.1 (2-Lane)
1.300	19.97	999.00	6.54	999.00	0.00 163.6 (1-Lane)
1.400	15.44	999.00	5.06	999.00	0.00 126.4 (2-Lane)
1.400	17.06	999.00	5.59	999.00	0.00 139.7 (1-Lane)
1.500	14.81	999.00	4.85	999.00	0.00 121.3 (2-Lane)
1.500	16.36	999.00	5.36	999.00	0.00 134.0 (1-Lane)
1.600	15.44	999.00	5.06	999.00	0.00 126.4 (2-Lane)
1.600	17.06	999.00	5.59	999.00	0.00 139.7 (1-Lane)
1.700	18.08	999.00	5.92	999.00	0.00 148.1 (2-Lane)
1.700	19.97	999.00	6.54	999.00	0.00 163.6 (1-Lane)
1.800	23.91	999.00	7.86	999.00	0.00 196.6 (2-Lane)
1.800	26.41	999.00	8.69	999.00	0.00 217.1 (1-Lane)
1.900	44.67	999.00	14.72	999.00	0.00 368.1 (2-Lane)
1.900	49.35	999.00	16.26	999.00	0.00 406.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma		DC	DW	LL	LL
		1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	207.4	37.6	377.50 R	283.84	341.73 R	256.94	341.73 R	256.94	341.73 R
1.200	409.0	66.8	621.89 R	467.59	562.95 R	423.27	562.95 R	423.27	562.95 R
1.300	536.8	87.7	814.03 R	612.05	736.89 R	554.05	736.89 R	554.05	736.89 R
1.400	613.5	100.3	901.19 R	677.58	815.78 R	613.37	815.78 R	613.37	815.78 R
1.500	639.0	104.4	884.53 R	665.06	800.70 R	602.03	800.70 R	602.03	800.70 R
1.600	613.5	100.3	901.19 R	677.58	815.78 R	613.37	815.78 R	613.37	815.78 R
1.700	536.8	87.7	814.03 R	612.05	736.89 R	554.05	736.89 R	554.05	736.89 R
1.800	409.0	66.8	621.89 R	467.59	562.95 R	423.27	562.95 R	423.27	562.95 R
1.900	230.0	37.6	377.50 R	283.84	341.73 R	256.94	341.73 R	256.94	341.73 R
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.47	999.00	8.47	999.00	0.00	338.7 (2-Lane)
1.100	9.35	999.00	9.35	999.00	0.00	374.1 (1-Lane)
1.200	4.96	999.00	4.96	999.00	0.00	198.4 (2-Lane)
1.200	5.48	999.00	5.48	999.00	0.00	219.2 (1-Lane)
1.300	3.75	999.00	3.75	999.00	0.00	150.1 (2-Lane)
1.300	4.15	999.00	4.15	999.00	0.00	165.8 (1-Lane)
1.400	3.34	999.00	3.34	999.00	0.00	133.4 (2-Lane)
1.400	3.68	999.00	3.68	999.00	0.00	147.4 (1-Lane)
1.500	3.36	999.00	3.36	999.00	0.00	134.6 (2-Lane)
1.500	3.72	999.00	3.72	999.00	0.00	148.7 (1-Lane)
1.600	3.34	999.00	3.34	999.00	0.00	133.4 (2-Lane)
1.600	3.68	999.00	3.68	999.00	0.00	147.4 (1-Lane)
1.700	3.75	999.00	3.75	999.00	0.00	150.1 (2-Lane)
1.700	4.15	999.00	4.15	999.00	0.00	165.8 (1-Lane)
1.800	4.96	999.00	4.96	999.00	0.00	198.4 (2-Lane)
1.800	5.48	999.00	5.48	999.00	0.00	219.2 (1-Lane)
1.900	8.41	999.00	8.41	999.00	0.00	336.3 (2-Lane)
1.900	9.29	999.00	9.29	999.00	0.00	371.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	64.91	48.81	67.52	50.77
1.100	39.6	5.9	59.42	44.67	61.81	46.47
1.200	27.0	4.4	48.94	36.80	50.91	38.28
1.300	18.0	2.9	38.81	29.18	40.37	30.35
1.400	9.0	1.5	30.14	22.66	31.36	23.58
1.500	0.0	0.0	21.63	16.26	22.50	16.92
1.600	-9.0	-1.5	-30.14	-22.66	-31.36	-23.58
1.700	-18.0	-2.9	-38.81	-29.18	-40.37	-30.35
1.800	-27.0	-4.4	-48.94	-36.80	-50.91	-38.28
1.900	-36.0	-5.9	-59.42	-44.67	-61.81	-46.47
1.948	-40.3	-13.2	-64.43	-48.44	-67.02	-50.39
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	94.3	47.4	152.7	-173.6	131.7 (2-Lane)
1.300	99.8	47.4	158.3	-179.2	137.3 (1-Lane)
1.400	59.2	31.9	91.1	-101.6	80.6 (2-Lane)
1.400	62.5	31.9	94.5	-104.9	84.0 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.2	31.9	91.1	-80.6	101.6 (2-Lane)
1.600	62.5	31.9	94.5	-84.0	104.9 (1-Lane)
1.700	94.3	47.4	152.7	-131.7	173.6 (2-Lane)
1.700	99.8	47.4	158.3	-137.3	179.2 (1-Lane)

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1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	281.72	2.88	0.00	115.1 (2-Lane)
1.048	270.83	2.77	0.00	110.6 (1-Lane)
1.100	105.35	3.58	0.00	143.4 (2-Lane)
1.100	101.28	3.45	0.00	137.8 (1-Lane)
1.200	31.50	3.44	0.00	137.5 (2-Lane)
1.200	30.29	3.31	0.00	132.2 (1-Lane)
1.300	14.73	3.39	0.00	135.8 (2-Lane)
1.300	14.61	3.40	0.00	136.0 (1-Lane)
1.400	6.25	2.67	0.00	107.0 (2-Lane)
1.400	6.21	2.68	0.00	107.1 (1-Lane)
1.500	4.15	4.15	0.00	166.1 (2-Lane)
1.500	3.99	3.99	0.00	159.6 (1-Lane)
1.600	2.67	6.25	0.00	107.0 (2-Lane)
1.600	2.68	6.21	0.00	107.1 (1-Lane)
1.700	3.39	14.73	0.00	135.8 (2-Lane)
1.700	3.40	14.61	0.00	136.0 (1-Lane)
1.800	3.44	31.50	0.00	137.5 (2-Lane)
1.800	3.31	30.29	0.00	132.2 (1-Lane)
1.900	3.72	105.66	0.00	148.7 (2-Lane)
1.900	3.58	101.57	0.00	143.0 (1-Lane)
1.948	2.99	257.99	0.00	119.6 (2-Lane)
1.948	2.87	248.01	0.00	115.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1890

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LG

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL	LL
			0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	37.6	167.78 R	126.15	151.88 R	114.19
1.200	409.0	66.8	276.40 R	207.82	250.20 R	188.12
1.300	536.8	87.7	361.79 R	272.02	327.50 R	246.24
1.400	613.5	100.3	400.53 R	301.15	362.57 R	272.61
1.500	639.0	104.4	393.12 R	295.58	355.87 R	267.57
1.600	613.5	100.3	400.53 R	301.15	362.57 R	272.61
1.700	536.8	87.7	361.79 R	272.02	327.50 R	246.24
1.800	409.0	66.8	276.40 R	207.82	250.20 R	188.12
1.900	230.0	37.6	167.78 R	126.15	151.88 R	114.19
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1890

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type:	3S2							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1891

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL S

Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)
	Rating Factor		bottom fiber			
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	38.12	999.00	12.61	999.00	0.00	504.3 (2-Lane)
1.100	42.11	999.00	13.93	999.00	0.00	557.1 (1-Lane)
1.200	21.40	999.00	7.04	999.00	0.00	281.5 (2-Lane)
1.200	23.64	999.00	7.77	999.00	0.00	310.9 (1-Lane)
1.300	15.77	999.00	5.17	999.00	0.00	206.6 (2-Lane)
1.300	17.42	999.00	5.71	999.00	0.00	228.3 (1-Lane)
1.400	13.67	999.00	4.48	999.00	0.00	179.1 (2-Lane)
1.400	15.10	999.00	4.95	999.00	0.00	197.9 (1-Lane)
1.500	13.63	999.00	4.47	999.00	0.00	178.7 (2-Lane)
1.500	15.06	999.00	4.94	999.00	0.00	197.4 (1-Lane)
1.600	13.67	999.00	4.48	999.00	0.00	179.1 (2-Lane)
1.600	15.10	999.00	4.95	999.00	0.00	197.9 (1-Lane)
1.700	15.77	999.00	5.17	999.00	0.00	206.6 (2-Lane)
1.700	17.42	999.00	5.71	999.00	0.00	228.3 (1-Lane)
1.800	21.40	999.00	7.04	999.00	0.00	281.5 (2-Lane)
1.800	23.64	999.00	7.77	999.00	0.00	310.9 (1-Lane)
1.900	37.85	999.00	12.48	999.00	0.00	499.1 (2-Lane)
1.900	41.82	999.00	13.78	999.00	0.00	551.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.80		1.80	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.048	98.6	0.0	0.00 R		0.00	0.00 R		0.00
1.100	207.4	37.6	323.98 R		243.60	293.28 R		220.51
1.200	409.0	66.8	534.82 R		402.12	484.13 R		364.01
1.300	536.8	87.7	670.01 R		503.77	606.51 R		456.02
1.400	613.5	100.3	703.77 R		529.15	637.07 R		479.00
1.500	639.0	104.4	746.28 R		561.11	675.55 R		507.94
1.600	613.5	100.3	703.77 R		529.15	637.07 R		479.00
1.700	536.8	87.7	670.01 R		503.77	606.51 R		456.02
1.800	409.0	66.8	534.82 R		402.12	484.13 R		364.01
1.900	230.0	37.6	323.98 R		243.60	293.28 R		220.51

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1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment Resistance		Bending Bott.	Bending Top	Available Resistance for LL+I			
	Positive Top	Negative Top			Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.87	999.00	9.87	999.00	0.00	394.6 (2-Lane)
1.100	10.90	999.00	10.90	999.00	0.00	435.9 (1-Lane)
1.200	5.77	999.00	5.77	999.00	0.00	230.7 (2-Lane)
1.200	6.37	999.00	6.37	999.00	0.00	254.9 (1-Lane)
1.300	4.56	999.00	4.56	999.00	0.00	182.4 (2-Lane)
1.300	5.04	999.00	5.04	999.00	0.00	201.5 (1-Lane)
1.400	4.27	999.00	4.27	999.00	0.00	170.8 (2-Lane)
1.400	4.72	999.00	4.72	999.00	0.00	188.7 (1-Lane)
1.500	3.99	999.00	3.99	999.00	0.00	159.5 (2-Lane)
1.500	4.41	999.00	4.41	999.00	0.00	176.2 (1-Lane)
1.600	4.27	999.00	4.27	999.00	0.00	170.8 (2-Lane)
1.600	4.72	999.00	4.72	999.00	0.00	188.7 (1-Lane)
1.700	4.56	999.00	4.56	999.00	0.00	182.4 (2-Lane)
1.700	5.04	999.00	5.04	999.00	0.00	201.5 (1-Lane)
1.800	5.77	999.00	5.77	999.00	0.00	230.7 (2-Lane)
1.800	6.37	999.00	6.37	999.00	0.00	254.9 (1-Lane)
1.900	9.80	999.00	9.80	999.00	0.00	391.8 (2-Lane)
1.900	10.82	999.00	10.82	999.00	0.00	432.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL 1.80	(1-Lane) LL 1.80
	1.25	1.25	1.25	1.25		

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	55.69	41.87	57.93	43.56
1.100	39.6	5.9	50.99	38.34	53.04	39.88
1.200	27.0	4.4	42.09	31.65	43.78	32.92
1.300	18.0	2.9	33.18	24.95	34.52	25.95
1.400	9.0	1.5	25.90	19.47	26.94	20.26
1.500	0.0	0.0	20.14	15.14	20.95	15.75
1.600	-9.0	-1.5	-25.90	-19.47	-26.94	-20.26
1.700	-18.0	-2.9	-33.18	-24.95	-34.52	-25.95
1.800	-27.0	-4.4	-42.09	-31.65	-43.78	-32.92
1.900	-36.0	-5.9	-50.99	-38.34	-53.04	-39.88
1.948	-40.3	-13.2	-55.25	-41.54	-57.48	-43.21
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	94.7	47.4	153.1	-174.1	132.2 (2-Lane)
1.300	99.9	47.4	158.3	-179.2	137.3 (1-Lane)
1.400	59.9	31.9	91.9	-102.4	81.4 (2-Lane)
1.400	63.1	31.9	95.0	-105.5	84.5 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	59.9	31.9	91.9	-81.4	102.4 (2-Lane)
1.600	63.1	31.9	95.0	-84.5	105.5 (1-Lane)
1.700	94.7	47.4	153.1	-132.2	174.1 (2-Lane)
1.700	99.9	47.4	158.3	-137.3	179.2 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: 3-3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	342.09	3.35	0.00	134.1 (2-Lane)
1.048	328.86	3.22	0.00	128.9 (1-Lane)
1.100	127.93	4.18	0.00	167.1 (2-Lane)
1.100	122.98	4.01	0.00	160.6 (1-Lane)
1.200	38.26	4.00	0.00	159.9 (2-Lane)
1.200	36.78	3.84	0.00	153.7 (1-Lane)
1.300	17.93	3.98	0.00	159.3 (2-Lane)
1.300	17.75	3.98	0.00	159.1 (1-Lane)
1.400	7.12	3.14	0.00	125.7 (2-Lane)
1.400	7.05	3.14	0.00	125.5 (1-Lane)
1.500	4.46	4.46	0.00	178.4 (2-Lane)
1.500	4.29	4.29	0.00	171.5 (1-Lane)
1.600	3.14	7.12	0.00	125.7 (2-Lane)
1.600	3.14	7.05	0.00	125.5 (1-Lane)
1.700	3.98	17.93	0.00	159.3 (2-Lane)
1.700	3.98	17.75	0.00	159.1 (1-Lane)
1.800	4.00	38.26	0.00	159.9 (2-Lane)
1.800	3.84	36.78	0.00	153.7 (1-Lane)
1.900	4.33	128.30	0.00	173.3 (2-Lane)
1.900	4.16	123.34	0.00	166.6 (1-Lane)
1.948	3.49	313.27	0.00	139.5 (2-Lane)

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1.948	3.35	301.16	0.00	134.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1898

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LG
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.048	98.6	0.0	0.00 R		0.00	0.00 R		0.00
1.100	207.4	37.6	143.99 R		108.27	130.35 R		98.00
1.200	409.0	66.8	237.70 R		178.72	215.17 R		161.78
1.300	536.8	87.7	297.78 R		223.90	269.56 R		202.68
1.400	613.5	100.3	312.79 R		235.18	283.14 R		212.89
1.500	639.0	104.4	331.68 R		249.38	300.25 R		225.75
1.600	613.5	100.3	312.79 R		235.18	283.14 R		212.89
1.700	536.8	87.7	297.78 R		223.90	269.56 R		202.68
1.800	409.0	66.8	237.70 R		178.72	215.17 R		161.78
1.900	230.0	37.6	143.99 R		108.27	130.35 R		98.00
1.948	120.0	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1898

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1899

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	44.42	999.00	14.69	999.00	0.00	587.6 (2-Lane)
1.100	49.06	999.00	16.23	999.00	0.00	649.2 (1-Lane)
1.200	24.88	999.00	8.18	999.00	0.00	327.3 (2-Lane)
1.200	27.48	999.00	9.04	999.00	0.00	361.6 (1-Lane)
1.300	19.16	999.00	6.28	999.00	0.00	251.0 (2-Lane)
1.300	21.16	999.00	6.93	999.00	0.00	277.3 (1-Lane)
1.400	17.51	999.00	5.73	999.00	0.00	229.4 (2-Lane)
1.400	19.34	999.00	6.34	999.00	0.00	253.4 (1-Lane)

1.500	16.16	999.00	5.30	999.00	0.00	211.8	(2-Lane)
1.500	17.85	999.00	5.85	999.00	0.00	234.0	(1-Lane)
1.600	17.51	999.00	5.73	999.00	0.00	229.4	(2-Lane)
1.600	19.34	999.00	6.34	999.00	0.00	253.4	(1-Lane)
1.700	19.16	999.00	6.28	999.00	0.00	251.0	(2-Lane)
1.700	21.16	999.00	6.93	999.00	0.00	277.3	(1-Lane)
1.800	24.88	999.00	8.18	999.00	0.00	327.3	(2-Lane)
1.800	27.48	999.00	9.04	999.00	0.00	361.6	(1-Lane)
1.900	44.11	999.00	14.54	999.00	0.00	581.5	(2-Lane)
1.900	48.73	999.00	16.06	999.00	0.00	642.4	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU4

Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane)	(1-Lane)
			1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00
1.100	207.4	37.6	314.10 R	236.16	284.33 R	213.78	213.78
1.200	409.0	66.8	548.32 R	412.27	496.36 R	373.20	373.20
1.300	536.8	87.7	702.68 R	528.33	636.09 R	478.26	478.26
1.400	613.5	100.3	801.13 R	602.35	725.20 R	545.27	545.27
1.500	639.0	104.4	823.87 R	619.45	745.79 R	560.75	560.75
1.600	613.5	100.3	801.13 R	602.35	725.20 R	545.27	545.27
1.700	536.8	87.7	702.68 R	528.33	636.09 R	478.26	478.26
1.800	409.0	66.8	548.32 R	412.27	496.36 R	373.20	373.20
1.900	230.0	37.6	314.10 R	236.16	284.33 R	213.78	213.78
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1901

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.048	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	10.18	999.00	10.18	999.00	0.00 274.8 (2-Lane)
1.100	11.24	999.00	11.24	999.00	0.00 303.5 (1-Lane)
1.200	5.63	999.00	5.63	999.00	0.00 151.9 (2-Lane)
1.200	6.22	999.00	6.22	999.00	0.00 167.8 (1-Lane)
1.300	4.35	999.00	4.35	999.00	0.00 117.4 (2-Lane)
1.300	4.80	999.00	4.80	999.00	0.00 129.7 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00 101.3 (2-Lane)
1.400	4.14	999.00	4.14	999.00	0.00 111.9 (1-Lane)
1.500	3.61	999.00	3.61	999.00	0.00 97.5 (2-Lane)
1.500	3.99	999.00	3.99	999.00	0.00 107.7 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00 101.3 (2-Lane)
1.600	4.14	999.00	4.14	999.00	0.00 111.9 (1-Lane)
1.700	4.35	999.00	4.35	999.00	0.00 117.4 (2-Lane)
1.700	4.80	999.00	4.80	999.00	0.00 129.7 (1-Lane)
1.800	5.63	999.00	5.63	999.00	0.00 151.9 (2-Lane)
1.800	6.22	999.00	6.22	999.00	0.00 167.8 (1-Lane)
1.900	10.10	999.00	10.10	999.00	0.00 272.8 (2-Lane)
1.900	11.16	999.00	11.16	999.00	0.00 301.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	52.74	39.65	54.86	41.25
1.100	39.6	5.9	49.44	37.17	51.43	38.67
1.200	27.0	4.4	43.15	32.45	44.89	33.75
1.300	18.0	2.9	36.87	27.72	38.35	28.83
1.400	9.0	1.5	30.58	22.99	31.81	23.92
1.500	0.0	0.0	24.29	18.27	25.27	19.00
1.600	-9.0	-1.5	-30.58	-22.99	-31.81	-23.92
1.700	-18.0	-2.9	-36.87	-27.72	-38.35	-28.83
1.800	-27.0	-4.4	-43.15	-32.45	-44.89	-33.75
1.900	-36.0	-5.9	-49.44	-37.17	-51.43	-38.67
1.948	-40.3	-13.2	-52.44	-39.43	-54.55	-41.02
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1904

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	97.5	47.4	155.9	-176.8	134.9 (2-Lane)
1.300	103.0	47.4	161.4	-182.4	140.5 (1-Lane)
1.400	62.1	31.9	94.1	-104.6	83.6 (2-Lane)
1.400	65.6	31.9	97.6	-108.1	87.1 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.1	31.9	94.1	-83.6	104.6 (2-Lane)
1.600	65.6	31.9	97.6	-87.1	108.1 (1-Lane)
1.700	97.5	47.4	155.9	-134.9	176.8 (2-Lane)
1.700	103.0	47.4	161.4	-140.5	182.4 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1905

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	316.94	3.54	0.00	95.6 (2-Lane)
1.048	304.68	3.40	0.00	91.9 (1-Lane)
1.100	118.52	4.31	0.00	116.3 (2-Lane)
1.100	113.94	4.14	0.00	111.8 (1-Lane)
1.200	32.68	3.90	0.00	105.3 (2-Lane)
1.200	31.42	3.75	0.00	101.2 (1-Lane)
1.300	14.78	3.66	0.00	98.8 (2-Lane)
1.300	14.66	3.66	0.00	98.9 (1-Lane)
1.400	5.81	2.73	0.00	73.8 (2-Lane)
1.400	5.77	2.74	0.00	73.9 (1-Lane)
1.500	3.70	3.70	0.00	99.8 (2-Lane)
1.500	3.55	3.55	0.00	95.9 (1-Lane)
1.600	2.73	5.81	0.00	73.8 (2-Lane)
1.600	2.74	5.77	0.00	73.9 (1-Lane)
1.700	3.66	14.78	0.00	98.8 (2-Lane)
1.700	3.66	14.66	0.00	98.9 (1-Lane)
1.800	3.90	32.68	0.00	105.3 (2-Lane)
1.800	3.75	31.42	0.00	101.2 (1-Lane)
1.900	4.47	118.87	0.00	120.7 (2-Lane)
1.900	4.30	114.27	0.00	116.0 (1-Lane)
1.948	3.67	290.23	0.00	99.2 (2-Lane)
1.948	3.53	279.01	0.00	95.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1906

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	207.4	37.6	157.05 R	118.08	142.16 R	106.89	142.16	106.89	106.89
1.200	409.0	66.8	274.16 R	206.14	248.18 R	186.60	248.18	186.60	186.60
1.300	536.8	87.7	351.34 R	264.17	318.04 R	239.13	318.04	239.13	239.13
1.400	613.5	100.3	400.56 R	301.18	362.60 R	272.63	362.60	272.63	272.63
1.500	639.0	104.4	411.94 R	309.73	372.90 R	280.37	372.90	280.37	280.37
1.600	613.5	100.3	400.56 R	301.18	362.60 R	272.63	362.60	272.63	272.63
1.700	536.8	87.7	351.34 R	264.17	318.04 R	239.13	318.04	239.13	239.13
1.800	409.0	66.8	274.16 R	206.14	248.18 R	186.60	248.18	186.60	186.60
1.900	230.0	37.6	157.05 R	118.08	142.16 R	106.89	142.16	106.89	106.89
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4

Span	Service Resistance	Available Resistance for LL+I
	Positive Bending Top	Positive Bending Top
	Negative Bending Bott.	Negative Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL S

Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	40.72	999.00	13.47	999.00	0.00	363.7 (2-Lane)
1.100	44.99	999.00	14.88	999.00	0.00	401.8 (1-Lane)
1.200	21.57	999.00	7.09	999.00	0.00	191.5 (2-Lane)
1.200	23.83	999.00	7.84	999.00	0.00	211.6 (1-Lane)
1.300	16.24	999.00	5.32	999.00	0.00	143.6 (2-Lane)
1.300	17.94	999.00	5.88	999.00	0.00	158.7 (1-Lane)
1.400	13.67	999.00	4.48	999.00	0.00	120.9 (2-Lane)
1.400	15.10	999.00	4.95	999.00	0.00	133.6 (1-Lane)
1.500	13.01	999.00	4.26	999.00	0.00	115.1 (2-Lane)
1.500	14.37	999.00	4.71	999.00	0.00	127.2 (1-Lane)
1.600	13.67	999.00	4.48	999.00	0.00	120.9 (2-Lane)
1.600	15.10	999.00	4.95	999.00	0.00	133.6 (1-Lane)
1.700	16.24	999.00	5.32	999.00	0.00	143.6 (2-Lane)
1.700	17.94	999.00	5.88	999.00	0.00	158.7 (1-Lane)
1.800	21.57	999.00	7.09	999.00	0.00	191.5 (2-Lane)
1.800	23.83	999.00	7.84	999.00	0.00	211.6 (1-Lane)
1.900	40.44	999.00	13.33	999.00	0.00	359.9 (2-Lane)
1.900	44.68	999.00	14.73	999.00	0.00	397.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1908

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	37.6	348.59 R	262.10	315.55 R	237.26
1.200	409.0	66.8	605.48 R	455.25	548.10 R	412.10
1.300	536.8	87.7	779.00 R	585.71	705.17 R	530.20
1.400	613.5	100.3	884.78 R	665.24	800.92 R	602.20
1.500	639.0	104.4	898.85 R	675.83	813.66 R	611.78
1.600	613.5	100.3	884.78 R	665.24	800.92 R	602.20
1.700	536.8	87.7	779.00 R	585.71	705.17 R	530.20
1.800	409.0	66.8	605.48 R	455.25	548.10 R	412.10
1.900	230.0	37.6	348.59 R	262.10	315.55 R	237.26
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1909

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1910

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.17	999.00	9.17	999.00	0.00	284.2 (2-Lane)
1.100	10.13	999.00	10.13	999.00	0.00	314.0 (1-Lane)
1.200	5.09	999.00	5.09	999.00	0.00	157.9 (2-Lane)
1.200	5.63	999.00	5.63	999.00	0.00	174.5 (1-Lane)
1.300	3.92	999.00	3.92	999.00	0.00	121.6 (2-Lane)
1.300	4.33	999.00	4.33	999.00	0.00	134.3 (1-Lane)
1.400	3.40	999.00	3.40	999.00	0.00	105.3 (2-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	116.3 (1-Lane)
1.500	3.31	999.00	3.31	999.00	0.00	102.6 (2-Lane)
1.500	3.66	999.00	3.66	999.00	0.00	113.4 (1-Lane)
1.600	3.40	999.00	3.40	999.00	0.00	105.3 (2-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	116.3 (1-Lane)
1.700	3.92	999.00	3.92	999.00	0.00	121.6 (2-Lane)
1.700	4.33	999.00	4.33	999.00	0.00	134.3 (1-Lane)
1.800	5.09	999.00	5.09	999.00	0.00	157.9 (2-Lane)
1.800	5.63	999.00	5.63	999.00	0.00	174.5 (1-Lane)
1.900	9.10	999.00	9.10	999.00	0.00	282.2 (2-Lane)
1.900	10.06	999.00	10.06	999.00	0.00	311.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1911

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU5

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load w/o Truck	impact Lane	Live Load w/impact Truck	w/o impact Lane
1.000	45.0	0.0	0.00		0.00		0.00	
1.048	42.4	6.7	58.65		44.10		61.01	45.87
1.100	39.6	5.9	54.87		41.25		57.07	42.91
1.200	27.0	4.4	47.65		35.83		49.57	37.27
1.300	18.0	2.9	40.43		30.40		42.06	31.62

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1.400	9.0	1.5	33.22	24.97	34.55
1.500	0.0	0.0	26.00	19.55	27.04
1.600	-9.0	-1.5	-33.22	-24.97	-34.55
1.700	-18.0	-2.9	-40.43	-30.40	-42.06
1.800	-27.0	-4.4	-47.65	-35.83	-49.57
1.900	-36.0	-5.9	-54.87	-41.25	-57.07
1.948	-40.3	-13.2	-58.32	-43.85	-60.66
2.000	-45.0	0.0	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

I-LEGL

Rating Live Load:

SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	97.7	47.4	156.2	-177.1	135.2 (2-Lane)
1.300	103.6	47.4	162.0	-182.9	141.0 (1-Lane)
1.400	62.5	31.9	94.4	-104.9	84.0 (2-Lane)
1.400	66.2	31.9	98.1	-108.6	87.6 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	62.5	31.9	94.4	-84.0	104.9 (2-Lane)
1.600	66.2	31.9	98.1	-87.6	108.6 (1-Lane)
1.700	97.7	47.4	156.2	-135.2	177.1 (2-Lane)
1.700	103.6	47.4	162.0	-141.0	182.9 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

I-LEGL

Rating Live Load:

SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	316.94	3.18	0.00	98.7 (2-Lane)
1.048	304.68	3.06	0.00	94.9 (1-Lane)
1.100	118.52	3.88	0.00	120.3 (2-Lane)
1.100	113.94	3.73	0.00	115.7 (1-Lane)
1.200	32.68	3.53	0.00	109.5 (2-Lane)
1.200	31.42	3.39	0.00	105.3 (1-Lane)
1.300	13.85	3.34	0.00	103.7 (2-Lane)
1.300	13.75	3.35	0.00	104.0 (1-Lane)
1.400	5.59	2.53	0.00	78.4 (2-Lane)
1.400	5.56	2.54	0.00	78.6 (1-Lane)
1.500	3.45	3.45	0.00	107.1 (2-Lane)
1.500	3.32	3.32	0.00	102.9 (1-Lane)
1.600	2.53	5.59	0.00	78.4 (2-Lane)
1.600	2.54	5.56	0.00	78.6 (1-Lane)
1.700	3.34	13.85	0.00	103.7 (2-Lane)
1.700	3.35	13.75	0.00	104.0 (1-Lane)
1.800	3.53	32.68	0.00	109.5 (2-Lane)
1.800	3.39	31.42	0.00	105.3 (1-Lane)
1.900	4.03	118.87	0.00	124.8 (2-Lane)
1.900	3.87	114.27	0.00	120.0 (1-Lane)
1.948	3.30	290.23	0.00	102.4 (2-Lane)
1.948	3.17	279.01	0.00	98.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00
1.100	207.4	37.6	174.30 R	131.05	157.78 R	118.63
1.200	409.0	66.8	302.74 R	227.62	274.05 R	206.05
1.300	536.8	87.7	389.50 R	292.86	352.59 R	265.10
1.400	613.5	100.3	442.39 R	332.62	400.46 R	301.10
1.500	639.0	104.4	449.43 R	337.91	406.83 R	305.89
1.600	613.5	100.3	442.39 R	332.62	400.46 R	301.10
1.700	536.8	87.7	389.50 R	292.86	352.59 R	265.10
1.800	409.0	66.8	302.74 R	227.62	274.05 R	206.05
1.900	230.0	37.6	174.30 R	131.05	157.78 R	118.63
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1914

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1915

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	36.69	999.00	12.14	999.00	0.00	376.2 (2-Lane)
1.100	40.53	999.00	13.41	999.00	0.00	415.6 (1-Lane)
1.200	19.53	999.00	6.43	999.00	0.00	199.2 (2-Lane)
1.200	21.58	999.00	7.10	999.00	0.00	220.0 (1-Lane)
1.300	14.65	999.00	4.80	999.00	0.00	148.7 (2-Lane)
1.300	16.18	999.00	5.30	999.00	0.00	164.3 (1-Lane)
1.400	12.38	999.00	4.05	999.00	0.00	125.7 (2-Lane)
1.400	13.68	999.00	4.48	999.00	0.00	138.8 (1-Lane)
1.500	11.93	999.00	3.91	999.00	0.00	121.2 (2-Lane)
1.500	13.17	999.00	4.32	999.00	0.00	133.9 (1-Lane)
1.600	12.38	999.00	4.05	999.00	0.00	125.7 (2-Lane)
1.600	13.68	999.00	4.48	999.00	0.00	138.8 (1-Lane)
1.700	14.65	999.00	4.80	999.00	0.00	148.7 (2-Lane)

1.700	16.18	999.00	5.30	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 164.3 (1-Lane)
1.800	19.53	999.00	6.43	999.00	0.00 199.2 (2-Lane)
1.800	21.58	999.00	7.10	999.00	0.00 220.0 (1-Lane)
1.900	36.44	999.00	12.01	999.00	0.00 372.3 (2-Lane)
1.900	40.26	999.00	13.27	999.00	0.00 411.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1916

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00		0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R		0.00		0.00
1.100	207.4	37.6	367.91 R	276.62	333.04 R		250.40		
1.200	409.0	66.8	663.75 R	499.06	600.84 R		451.76		
1.300	536.8	87.7	862.27 R	648.32	780.55 R		586.88		
1.400	613.5	100.3	972.57 R	731.26	880.40 R		661.96		
1.500	639.0	104.4	1001.70 R	753.16	906.77 R		681.78		
1.600	613.5	100.3	972.57 R	731.26	880.40 R		661.96		
1.700	536.8	87.7	862.27 R	648.32	780.55 R		586.88		
1.800	409.0	66.8	663.75 R	499.06	600.84 R		451.76		
1.900	230.0	37.6	367.90 R	276.62	333.04 R		250.40		
1.948	120.0	0.0	0.00 R	0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00		

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1917

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1918

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.69	999.00	8.69	999.00	0.00	301.9 (2-Lane)
1.100	9.60	999.00	9.60	999.00	0.00	333.5 (1-Lane)
1.200	4.65	999.00	4.65	999.00	0.00	161.5 (2-Lane)
1.200	5.13	999.00	5.13	999.00	0.00	178.4 (1-Lane)

1.300	3.54	999.00	3.54	999.00	0.00	123.1 (2-Lane)
1.300	3.91	999.00	3.91	999.00	0.00	136.0 (1-Lane)
1.400	3.09	999.00	3.09	999.00	0.00	107.4 (2-Lane)
1.400	3.41	999.00	3.41	999.00	0.00	118.6 (1-Lane)
1.500	2.97	999.00	2.97	999.00	0.00	103.2 (2-Lane)
1.500	3.28	999.00	3.28	999.00	0.00	114.0 (1-Lane)
1.600	3.09	999.00	3.09	999.00	0.00	107.4 (2-Lane)
1.600	3.41	999.00	3.41	999.00	0.00	118.6 (1-Lane)
1.700	3.54	999.00	3.54	999.00	0.00	123.1 (2-Lane)
1.700	3.91	999.00	3.91	999.00	0.00	136.0 (1-Lane)
1.800	4.65	999.00	4.65	999.00	0.00	161.5 (2-Lane)
1.800	5.13	999.00	5.13	999.00	0.00	178.4 (1-Lane)
1.900	8.63	999.00	8.63	999.00	0.00	299.8 (2-Lane)
1.900	9.53	999.00	9.53	999.00	0.00	331.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1919

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	62.15	46.73	64.65	48.61
1.100	39.6	5.9	57.91	43.54	60.24	45.29
1.200	27.0	4.4	49.82	37.46	51.82	38.96
1.300	18.0	2.9	41.73	31.37	43.41	32.64
1.400	9.0	1.5	33.64	25.29	34.99	26.31
1.500	0.0	0.0	25.55	19.21	26.57	19.98
1.600	-9.0	-1.5	-33.64	-25.29	-34.99	-26.31
1.700	-18.0	-2.9	-41.73	-31.37	-43.41	-32.64
1.800	-27.0	-4.4	-49.82	-37.46	-51.82	-38.96
1.900	-36.0	-5.9	-57.91	-43.54	-60.24	-45.29
1.948	-40.3	-13.2	-61.78	-46.45	-64.26	-48.32
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1920

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	95.2	47.4	153.7	-174.6	132.7 (2-Lane)
1.300	101.0	47.4	159.5	-180.4	138.5 (1-Lane)
1.400	60.7	31.9	92.6	-103.1	82.2 (2-Lane)
1.400	64.3	31.9	96.3	-106.7	85.8 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	60.7	31.9	92.6	-82.2	103.1 (2-Lane)
1.600	64.3	31.9	96.3	-85.8	106.7 (1-Lane)
1.700	95.2	47.4	153.7	-132.7	174.6 (2-Lane)
1.700	101.0	47.4	159.5	-138.5	180.4 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1921

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10
 Rating Type: I-LEGL
 Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	468.52	3.00	0.00	104.4 (2-Lane)
1.048	450.40	2.89	0.00	100.4 (1-Lane)
1.100	200.41	3.68	0.00	127.8 (2-Lane)
1.100	192.66	3.54	0.00	122.9 (1-Lane)
1.200	41.30	3.38	0.00	117.4 (2-Lane)
1.200	39.71	3.25	0.00	112.9 (1-Lane)
1.300	15.21	3.18	0.00	110.5 (2-Lane)
1.300	15.11	3.19	0.00	110.9 (1-Lane)
1.400	5.66	2.44	0.00	84.9 (2-Lane)
1.400	5.63	2.45	0.00	85.2 (1-Lane)
1.500	3.52	3.52	0.00	122.1 (2-Lane)
1.500	3.38	3.38	0.00	117.4 (1-Lane)
1.600	2.44	5.66	0.00	84.9 (2-Lane)
1.600	2.45	5.63	0.00	85.2 (1-Lane)
1.700	3.18	15.21	0.00	110.5 (2-Lane)
1.700	3.19	15.11	0.00	110.9 (1-Lane)
1.800	3.38	41.30	0.00	117.4 (2-Lane)
1.800	3.25	39.71	0.00	112.9 (1-Lane)
1.900	3.82	201.00	0.00	132.6 (2-Lane)
1.900	3.67	193.23	0.00	127.5 (1-Lane)
1.948	3.12	429.04	0.00	108.4 (2-Lane)
1.948	3.00	412.45	0.00	104.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1922

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LG
 Rating Live Load: SU6

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	207.4	37.6	183.95 R	138.31	166.52 R	125.20	125.20	125.20	125.20
1.200	409.0	66.8	331.87 R	249.53	300.42 R	225.88	225.88	225.88	225.88
1.300	536.8	87.7	431.13 R	324.16	390.27 R	293.44	293.44	293.44	293.44
1.400	613.5	100.3	486.29 R	365.63	440.20 R	330.98	330.98	330.98	330.98
1.500	639.0	104.4	500.85 R	376.58	453.38 R	340.89	340.89	340.89	340.89
1.600	613.5	100.3	486.29 R	365.63	440.20 R	330.98	330.98	330.98	330.98
1.700	536.8	87.7	431.13 R	324.16	390.27 R	293.44	293.44	293.44	293.44
1.800	409.0	66.8	331.87 R	249.53	300.42 R	225.88	225.88	225.88	225.88
1.900	230.0	37.6	183.95 R	138.31	166.52 R	125.20	125.20	125.20	125.20
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1922

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1

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1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1923

SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

III-LGL S

Rating Live Load:

SU6

Service								
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	34.77	999.00	11.50	999.00	0.00	399.6	(2-Lane)	
1.100	38.41	999.00	12.70	999.00	0.00	441.5	(1-Lane)	
1.200	17.82	999.00	5.86	999.00	0.00	203.7	(2-Lane)	
1.200	19.68	999.00	6.47	999.00	0.00	225.0	(1-Lane)	
1.300	13.23	999.00	4.34	999.00	0.00	150.6	(2-Lane)	
1.300	14.62	999.00	4.79	999.00	0.00	166.4	(1-Lane)	
1.400	11.26	999.00	3.69	999.00	0.00	128.2	(2-Lane)	
1.400	12.44	999.00	4.07	999.00	0.00	141.6	(1-Lane)	
1.500	10.70	999.00	3.51	999.00	0.00	121.9	(2-Lane)	
1.500	11.82	999.00	3.88	999.00	0.00	134.6	(1-Lane)	
1.600	11.26	999.00	3.69	999.00	0.00	128.2	(2-Lane)	
1.600	12.44	999.00	4.07	999.00	0.00	141.6	(1-Lane)	
1.700	13.23	999.00	4.34	999.00	0.00	150.6	(2-Lane)	
1.700	14.62	999.00	4.79	999.00	0.00	166.4	(1-Lane)	
1.800	17.82	999.00	5.86	999.00	0.00	203.7	(2-Lane)	
1.800	19.68	999.00	6.47	999.00	0.00	225.0	(1-Lane)	
1.900	34.53	999.00	11.38	999.00	0.00	395.5	(2-Lane)	
1.900	38.14	999.00	12.57	999.00	0.00	436.9	(1-Lane)	
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 1924

MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

I-LEGL

Rating Live Load:

SU7

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.048	98.6	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	207.4	37.6	384.95 R		289.43	348.47 R		262.00		472.58
1.200	409.0	66.8	694.34 R		522.06	628.53 R		472.58		714.63
1.300	536.8	87.7	928.16 R		697.87	840.20 R		631.73		714.63
1.400	613.5	100.3	1049.97 R		789.45	950.46 R		714.63		739.90
1.500	639.0	104.4	1087.10 R		817.37	984.07 R		739.90		714.63
1.600	613.5	100.3	1049.97 R		789.45	950.46 R		714.63		631.73
1.700	536.8	87.7	928.16 R		697.87	840.20 R		631.73		472.58
1.800	409.0	66.8	694.34 R		522.06	628.53 R		472.58		262.00
1.900	230.0	37.6	384.95 R		289.43	348.47 R		262.00		0.00
1.948	120.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1925

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G10

Rating Type:

I-LEGL

Rating Live Load:

SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0
1.048	3378.8	3378.8	0.0	0.0	3280.2	3280.2	-98.6	-98.6
1.100	3441.3	3441.3	0.0	0.0	3196.3	3196.3	-245.0	-245.0
1.200	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.300	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.400	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.500	3719.4	3719.4	0.0	0.0	2975.9	2975.9	-743.5	-743.5
1.600	3719.4	3719.4	0.0	0.0	3005.7	3005.7	-713.7	-713.7
1.700	3679.7	3679.7	0.0	0.0	3055.1	3055.1	-624.5	-624.5
1.800	3560.5	3560.5	0.0	0.0	3084.6	3084.6	-475.8	-475.8
1.900	3441.3	3441.3	0.0	0.0	3173.6	3173.6	-267.7	-267.7
1.948	3384.3	3384.3	0.0	0.0	3264.3	3264.3	-120.0	-120.0
2.000	3322.2	3322.2	0.0	0.0	3322.2	3322.2	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1926

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	8.30	999.00	8.30	999.00	321.7 (2-Lane)
1.100	9.17	999.00	9.17	999.00	355.4 (1-Lane)
1.200	4.44	999.00	4.44	999.00	172.1 (2-Lane)
1.200	4.91	999.00	4.91	999.00	190.2 (1-Lane)
1.300	3.29	999.00	3.29	999.00	127.5 (2-Lane)
1.300	3.64	999.00	3.64	999.00	140.9 (1-Lane)
1.400	2.86	999.00	2.86	999.00	110.9 (2-Lane)
1.400	3.16	999.00	3.16	999.00	122.5 (1-Lane)
1.500	2.74	999.00	2.74	999.00	106.1 (2-Lane)
1.500	3.02	999.00	3.02	999.00	117.2 (1-Lane)
1.600	2.86	999.00	2.86	999.00	110.9 (2-Lane)
1.600	3.16	999.00	3.16	999.00	122.5 (1-Lane)
1.700	3.29	999.00	3.29	999.00	127.5 (2-Lane)
1.700	3.64	999.00	3.64	999.00	140.9 (1-Lane)
1.800	4.44	999.00	4.44	999.00	172.1 (2-Lane)
1.800	4.91	999.00	4.91	999.00	190.2 (1-Lane)
1.900	8.24	999.00	8.24	999.00	319.5 (2-Lane)
1.900	9.11	999.00	9.11	999.00	352.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1927

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Gamma		(2-Lane)		(1-Lane)	
	DC 1.25	DW 1.25	LL 1.60	LL 1.60	LL 1.60	LL 1.60
1.000	45.0	0.0	0.00	0.00	0.00	0.00
1.048	42.4	6.7	65.32	49.11	67.95	51.09
1.100	39.6	5.9	60.59	45.56	63.03	47.39
1.200	27.0	4.4	51.57	38.77	53.64	40.33
1.300	18.0	2.9	42.55	31.99	44.26	33.28
1.400	9.0	1.5	33.53	25.21	34.87	26.22
1.500	0.0	0.0	24.88	18.71	25.88	19.46
1.600	-9.0	-1.5	-33.53	-25.21	-34.87	-26.22
1.700	-18.0	-2.9	-42.55	-31.99	-44.26	-33.28
1.800	-27.0	-4.4	-51.57	-38.77	-53.64	-40.33
1.900	-36.0	-5.9	-60.59	-45.56	-63.03	-47.39
1.948	-40.3	-13.2	-64.90	-48.80	-67.51	-50.76
2.000	-45.0	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1928

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU7

	Vc	Shear Vs	Resistance Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (2-Lane)
1.048	87.6	143.7	242.5	-298.2	186.7 (1-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (2-Lane)
1.100	93.9	153.3	258.4	-303.9	213.0 (1-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (2-Lane)
1.200	106.0	82.7	199.7	-231.1	168.3 (1-Lane)
1.300	93.2	47.4	151.6	-172.6	130.7 (2-Lane)
1.300	99.0	47.4	157.4	-178.4	136.5 (1-Lane)
1.400	58.9	31.9	90.8	-101.3	80.3 (2-Lane)
1.400	62.4	31.9	94.3	-104.8	83.8 (1-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (2-Lane)
1.500	39.4	50.4	89.8	-89.8	89.8 (1-Lane)
1.600	58.9	31.9	90.8	-80.3	101.3 (2-Lane)
1.600	62.4	31.9	94.3	-83.8	104.8 (1-Lane)
1.700	93.2	47.4	151.6	-130.7	172.6 (2-Lane)
1.700	99.0	47.4	157.4	-136.5	178.4 (1-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (2-Lane)
1.800	106.0	82.7	199.7	-168.3	231.1 (1-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (2-Lane)
1.900	95.7	156.0	262.8	-220.9	304.7 (1-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (2-Lane)
1.948	89.1	145.9	246.1	-192.6	299.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1929

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	468.52	2.86	0.00	110.8 (2-Lane)
1.048	450.40	2.75	0.00	106.5 (1-Lane)
1.100	226.99	3.52	0.00	136.2 (2-Lane)
1.100	218.21	3.38	0.00	130.9 (1-Lane)
1.200	54.53	3.26	0.00	126.5 (2-Lane)
1.200	52.42	3.14	0.00	121.6 (1-Lane)
1.300	17.25	3.07	0.00	119.0 (2-Lane)
1.300	17.14	3.08	0.00	119.5 (1-Lane)
1.400	5.89	2.40	0.00	92.8 (2-Lane)
1.400	5.86	2.40	0.00	93.2 (1-Lane)
1.500	3.61	3.61	0.00	139.8 (2-Lane)
1.500	3.47	3.47	0.00	134.4 (1-Lane)
1.600	2.40	5.89	0.00	92.8 (2-Lane)
1.600	2.40	5.86	0.00	93.2 (1-Lane)
1.700	3.07	17.25	0.00	119.0 (2-Lane)
1.700	3.08	17.14	0.00	119.5 (1-Lane)
1.800	3.26	54.53	0.00	126.5 (2-Lane)
1.800	3.14	52.42	0.00	121.6 (1-Lane)
1.900	3.65	227.65	0.00	141.3 (2-Lane)
1.900	3.51	218.85	0.00	135.8 (1-Lane)
1.948	2.97	429.04	0.00	115.0 (2-Lane)
1.948	2.85	412.45	0.00	110.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1930

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type:		III-LG					
Rating Live Load:		SU7		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL	LL	LL
	1.00	1.00	0.80	0.80	0.80	0.80	0.80
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00
1.048	98.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00
1.100	207.4	37.6	192.47 R	144.72	174.23 R	131.00	131.00
1.200	409.0	66.8	347.17 R	261.03	314.27 R	236.29	236.29
1.300	536.8	87.7	464.08 R	348.93	420.10 R	315.87	315.87
1.400	613.5	100.3	524.98 R	394.73	475.23 R	357.32	357.32
1.500	639.0	104.4	543.55 R	408.68	492.04 R	369.95	369.95
1.600	613.5	100.3	524.98 R	394.73	475.23 R	357.32	357.32
1.700	536.8	87.7	464.08 R	348.93	420.10 R	315.87	315.87
1.800	409.0	66.8	347.17 R	261.03	314.27 R	236.29	236.29
1.900	230.0	37.6	192.47 R	144.72	174.23 R	131.00	131.00
1.948	120.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1930

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.6	2.4	-3.4	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.300	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.400	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.500	3.4	3.0	-3.4	-3.0	2.1	2.0	-4.8	-4.2
1.600	3.4	3.0	-3.4	-3.0	2.2	2.0	-4.7	-4.1
1.700	3.3	3.0	-3.3	-3.0	2.3	2.1	-4.5	-4.0
1.800	3.1	2.9	-3.1	-2.9	2.4	2.2	-4.0	-3.6
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.1	-2.8
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1931

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G10

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	33.23	999.00	10.99	999.00	0.00	425.9 (2-Lane)
1.100	36.71	999.00	12.14	999.00	0.00	470.5 (1-Lane)
1.200	17.03	999.00	5.60	999.00	0.00	217.1 (2-Lane)
1.200	18.82	999.00	6.19	999.00	0.00	239.8 (1-Lane)
1.300	12.29	999.00	4.03	999.00	0.00	156.1 (2-Lane)
1.300	13.58	999.00	4.45	999.00	0.00	172.4 (1-Lane)
1.400	10.43	999.00	3.42	999.00	0.00	132.4 (2-Lane)
1.400	11.52	999.00	3.77	999.00	0.00	146.3 (1-Lane)
1.500	9.86	999.00	3.23	999.00	0.00	125.2 (2-Lane)
1.500	10.89	999.00	3.57	999.00	0.00	138.3 (1-Lane)
1.600	10.43	999.00	3.42	999.00	0.00	132.4 (2-Lane)
1.600	11.52	999.00	3.77	999.00	0.00	146.3 (1-Lane)
1.700	12.29	999.00	4.03	999.00	0.00	156.1 (2-Lane)
1.700	13.58	999.00	4.45	999.00	0.00	172.4 (1-Lane)
1.800	17.03	999.00	5.60	999.00	0.00	217.1 (2-Lane)
1.800	18.82	999.00	6.19	999.00	0.00	239.8 (1-Lane)
1.900	33.00	999.00	10.88	999.00	0.00	421.4 (2-Lane)
1.900	36.45	999.00	12.02	999.00	0.00	465.6 (1-Lane)

1.948	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
					0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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 LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1931

BRIDGE / MEMBER DATA

Bridge ID	9999999_20120831cy17_01of01
NBI ID	9999999
Facility Carried	I ###
Feature Intersected	Roadway

Material of Construction	CPS
Year of Construction	1963
Roadway Width	55.500
Number of Spans	1
Live Load Distribution Factor	1.21
Condition Factor:	1.000
System Factor:	1.000
ADTT:	8050

Shear Live Load Dist. Factor 1.5												
LRFD LLDF Moment												
		Span 1				Span 2				Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3		
1-lane DF		0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Span 1				Span 2				Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3		
2-lane DF		0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear												
		Span 1				Span 2				Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3		
1-lane DF		0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Span 1				Span 2				Span 3		
		R1	R2	R3	R1	R2	R3	R1	R2	R3		
2-lane DF		0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID	G11	01-IG011			
Symmetry:					
Span Length:	Span 1 56.786	Span 2 0.000	Span 3 0.000	Span 4 0.000	Span 5 0.000

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	18.929	1	2		0.0	0.0
1	2	18.928	2	0		0.0	0.0
1	3	18.929	2	1		0.0	0.0

Range Length -- Composite:			
Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)	
			Left	Right	Length	
1	W	0.000	217.7	217.7	56.786	0.0
1	Z	0.000	249.9	249.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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 LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1931

SECTION DATA

Structure I. D.	9999999_20120831cy17_01of01
Member I. D.	G11

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Void Dy	Prestress Strands Area	Prestress Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	10.33
1.048	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	9.64
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	8.88
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	7.43
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.98
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	3.7	5.50

										9999999_20120831cy17_FlexuralRpt.txt
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 3.7 5.98
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 3.7 7.43
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 3.7 8.88
1.948	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 3.7 9.58
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 3.7 10.33

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1932

SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5
1.048	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.63	743.6	157.2	586.4
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	158.5	585.1
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	160.3	583.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	165.0	578.5
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	164.9	578.7
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	163.7	579.9
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.77	743.6	164.9	578.7
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.29	743.6	165.0	578.5
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	12.84	743.6	160.3	583.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	11.39	743.6	157.5	586.1
1.948	559.5	24.70	20.30	125390.4	5071.1	6185.0	10.70	743.6	156.9	586.7
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	9.94	743.6	156.1	587.5

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1933

SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Span	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia (n=n)	Moment of Inertia (n=3n)	Section Modulus +Bend (n=n) Top	Section Modulus +Bend (n=3n) Bott.	Top	Bott.
1.000	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.048	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.100	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.200	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.300	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.400	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.500	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.600	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.700	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.800	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.900	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
1.948	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6
2.000	11.10	33.90	371448.6	241611.3	33530.5	10950.1	13229.6	9036.6

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1933

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.048	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.948	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1934

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type:		I-INV			
Rating Live Load:		HL93			
		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	
	1.25	1.25	1.75	1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
------	-----------	------------------------	-----------------	---------------	-----------------	-----------------	-----------------	---------------	-----------------	-----------------

9999999_20120831cy17_FlexuralRpt.txt									
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99
1.200	468.8	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27
1.300	615.3	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84
1.400	703.2	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10
1.500	732.5	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35
1.600	703.2	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10
1.700	615.3	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84
1.800	468.8	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27
1.900	263.7	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1935

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1936

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	5.63	999.00	5.63	999.00	0.00	202.8 (2-Lane)
1.100	7.53	999.00	7.53	999.00	0.00	271.2 (1-Lane)
1.200	3.08	999.00	3.08	999.00	0.00	110.8 (2-Lane)
1.200	4.12	999.00	4.12	999.00	0.00	148.2 (1-Lane)
1.300	2.38	999.00	2.38	999.00	0.00	85.6 (2-Lane)
1.300	3.18	999.00	3.18	999.00	0.00	114.5 (1-Lane)
1.400	2.08	999.00	2.08	999.00	0.00	74.7 (2-Lane)
1.400	2.77	999.00	2.77	999.00	0.00	99.9 (1-Lane)
1.500	2.02	999.00	2.02	999.00	0.00	72.6 (2-Lane)
1.500	2.70	999.00	2.70	999.00	0.00	97.2 (1-Lane)
1.600	2.08	999.00	2.08	999.00	0.00	74.7 (2-Lane)
1.600	2.77	999.00	2.77	999.00	0.00	99.9 (1-Lane)
1.700	2.38	999.00	2.38	999.00	0.00	85.6 (2-Lane)
1.700	3.18	999.00	3.18	999.00	0.00	114.5 (1-Lane)
1.800	3.08	999.00	3.08	999.00	0.00	110.8 (2-Lane)
1.800	4.12	999.00	4.12	999.00	0.00	148.2 (1-Lane)
1.900	5.55	999.00	5.55	999.00	0.00	199.9 (2-Lane)
1.900	7.43	999.00	7.43	999.00	0.00	267.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1937

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	118.76	0.00	94.57	0.00	103.47	0.00	82.40
1.100	48.4	6.2	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	31.0	4.6	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	20.6	3.1	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	10.3	1.5	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-10.3	-1.5	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-20.6	-3.1	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-31.0	-4.6	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-41.3	-6.2	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.948	-46.2	-13.8	-117.98	0.00	-93.94	0.00	-102.79	0.00	-81.84
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1938

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	108.3	47.7	167.0	-190.7	143.3 (2-Lane)
1.300	114.2	47.7	172.9	-196.6	149.2 (1-Lane)
1.400	69.7	32.1	101.8	-113.7	90.0 (2-Lane)
1.400	72.7	32.1	104.8	-116.7	93.0 (1-Lane)
1.500	42.3	50.6	93.0	-93.0	93.0 (2-Lane)
1.500	43.4	50.6	94.0	-94.0	94.0 (1-Lane)
1.600	69.7	32.1	101.8	-90.0	113.7 (2-Lane)
1.600	72.7	32.1	104.8	-93.0	116.7 (1-Lane)
1.700	108.3	47.7	167.0	-143.3	190.7 (2-Lane)
1.700	114.2	47.7	172.9	-149.2	196.6 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1939

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HL93

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	115.68	1.47	0.00	52.8 (2-Lane)
1.048	132.77	1.68	0.00	60.6 (1-Lane)
1.100	55.85	1.83	0.00	66.0 (2-Lane)
1.100	64.11	2.10	0.00	75.8 (1-Lane)
1.200	15.89	1.80	0.00	64.8 (2-Lane)
1.200	18.23	2.07	0.00	74.4 (1-Lane)
1.300	7.68	1.84	0.00	66.3 (2-Lane)
1.300	9.08	2.20	0.00	79.3 (1-Lane)
1.400	3.24	1.44	0.00	52.0 (2-Lane)
1.400	3.82	1.71	0.00	61.6 (1-Lane)
1.500	1.96	1.96	0.00	70.7 (2-Lane)
1.500	2.28	2.28	0.00	82.0 (1-Lane)
1.600	1.44	3.24	0.00	52.0 (2-Lane)
1.600	1.71	3.82	0.00	61.6 (1-Lane)

1.700	1.84	7.68	0.00	66.3 (2-Lane)
1.700	2.20	9.08	0.00	79.3 (1-Lane)
1.800	1.80	15.89	0.00	64.8 (2-Lane)
1.800	2.07	18.23	0.00	74.4 (1-Lane)
1.900	1.98	54.00	0.00	71.4 (2-Lane)
1.900	2.28	61.98	0.00	82.0 (1-Lane)
1.948	1.57	103.96	0.00	56.3 (2-Lane)
1.948	1.80	119.32	0.00	64.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1940

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	375.0	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	492.2	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	562.5	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	586.0	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	562.5	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	492.2	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	375.0	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	210.9	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1940

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1941

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.100	27.10	999.00	8.17	999.00	0.00 294.1 (2-Lane)
1.100	36.24	999.00	10.93	999.00	0.00 393.3 (1-Lane)
1.200	14.15	999.00	4.21	999.00	0.00 151.5 (2-Lane)
1.200	18.92	999.00	5.63	999.00	0.00 202.6 (1-Lane)
1.300	10.61	999.00	3.13	999.00	0.00 112.8 (2-Lane)
1.300	14.19	999.00	4.19	999.00	0.00 150.9 (1-Lane)
1.400	9.00	999.00	2.65	999.00	0.00 95.5 (2-Lane)
1.400	12.04	999.00	3.55	999.00	0.00 127.7 (1-Lane)
1.500	8.64	999.00	2.55	999.00	0.00 91.7 (2-Lane)
1.500	11.56	999.00	3.40	999.00	0.00 122.6 (1-Lane)
1.600	9.00	999.00	2.65	999.00	0.00 95.5 (2-Lane)
1.600	12.04	999.00	3.55	999.00	0.00 127.7 (1-Lane)
1.700	10.61	999.00	3.13	999.00	0.00 112.8 (2-Lane)
1.700	14.19	999.00	4.19	999.00	0.00 150.9 (1-Lane)
1.800	14.15	999.00	4.21	999.00	0.00 151.5 (2-Lane)
1.800	18.92	999.00	5.63	999.00	0.00 202.6 (1-Lane)
1.900	26.75	999.00	8.00	999.00	0.00 288.1 (2-Lane)
1.900	35.77	999.00	10.70	999.00	0.00 385.2 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1942

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL		LL			
					1.75		1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	468.8	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	615.3	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	703.2	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	732.5	109.7	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	703.2	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	615.3	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	468.8	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	263.7	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1943

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1944

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	6.94	999.00	6.94	999.00	138.81	249.9	(2-Lane)
1.100	9.28	999.00	9.28	999.00	185.64	334.1	(1-Lane)
1.200	3.81	999.00	3.81	999.00	76.28	137.3	(2-Lane)
1.200	5.10	999.00	5.10	999.00	102.02	183.6	(1-Lane)
1.300	2.97	999.00	2.97	999.00	59.38	106.9	(2-Lane)
1.300	3.97	999.00	3.97	999.00	79.41	142.9	(1-Lane)
1.400	2.60	999.00	2.60	999.00	52.00	93.6	(2-Lane)
1.400	3.48	999.00	3.48	999.00	69.55	125.2	(1-Lane)
1.500	2.55	999.00	2.55	999.00	50.90	91.6	(2-Lane)
1.500	3.40	999.00	3.40	999.00	68.08	122.5	(1-Lane)
1.600	2.60	999.00	2.60	999.00	52.00	93.6	(2-Lane)
1.600	3.48	999.00	3.48	999.00	69.55	125.2	(1-Lane)
1.700	2.97	999.00	2.97	999.00	59.38	106.9	(2-Lane)
1.700	3.97	999.00	3.97	999.00	79.41	142.9	(1-Lane)
1.800	3.81	999.00	3.81	999.00	76.28	137.3	(2-Lane)
1.800	5.10	999.00	5.10	999.00	102.02	183.6	(1-Lane)
1.900	6.84	999.00	6.84	999.00	136.85	246.3	(2-Lane)
1.900	9.15	999.00	9.15	999.00	183.02	329.4	(1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1945

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	97.47	0.00	73.28	0.00	84.92	0.00	63.85
1.100	48.4	6.2	90.98	0.00	68.41	0.00	79.27	0.00	59.60
1.200	31.0	4.6	78.61	0.00	59.11	0.00	68.49	0.00	51.50
1.300	20.6	3.1	66.24	0.00	49.81	0.00	57.72	0.00	43.40
1.400	10.3	1.5	53.88	0.00	40.51	0.00	46.94	0.00	35.29
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19
1.600	-10.3	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29
1.700	-20.6	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40
1.800	-31.0	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50
1.900	-41.3	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60
1.948	-46.2	-13.8	-96.90	0.00	-72.85	0.00	-84.42	0.00	-63.48
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1946

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HS20

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)	
1.000	0.0	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0	(1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2	(2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2	(1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6	(2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6	(1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5	(2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5	(1-Lane)
1.300	109.6	47.7	168.3	-192.0	144.5	(2-Lane)
1.300	114.6	47.7	173.3	-197.0	149.6	(1-Lane)
1.400	70.5	32.1	102.6	-114.5	90.8	(2-Lane)
1.400	72.9	32.1	105.0	-116.9	93.2	(1-Lane)
1.500	42.6	50.6	93.2	-93.2	93.2	(2-Lane)
1.500	43.1	50.6	93.8	-93.8	93.8	(1-Lane)
1.600	70.5	32.1	102.7	-90.8	114.5	(2-Lane)

1.600	72.9	32.1	105.0	-93.2	116.9 (1-Lane)
1.700	109.6	47.7	168.3	-144.5	192.0 (2-Lane)
1.700	114.6	47.7	173.3	-149.6	197.0 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1947

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	115.68	1.79	35.76	64.4 (2-Lane)
1.048	132.77	2.05	41.04	73.9 (1-Lane)
1.100	56.53	2.22	44.33	79.8 (2-Lane)
1.100	64.89	2.54	50.88	91.6 (1-Lane)
1.200	21.81	2.14	42.88	77.2 (2-Lane)
1.200	25.03	2.46	49.21	88.6 (1-Lane)
1.300	9.88	2.18	43.64	78.6 (2-Lane)
1.300	11.64	2.59	51.82	93.3 (1-Lane)
1.400	3.76	1.68	33.70	60.7 (2-Lane)
1.400	4.41	1.99	39.69	71.5 (1-Lane)
1.500	2.25	2.25	44.91	80.8 (2-Lane)
1.500	2.59	2.59	51.86	93.4 (1-Lane)
1.600	1.68	3.76	33.70	60.7 (2-Lane)
1.600	1.99	4.41	39.70	71.5 (1-Lane)
1.700	2.18	9.88	43.64	78.6 (2-Lane)
1.700	2.59	11.64	51.82	93.3 (1-Lane)
1.800	2.14	21.81	42.88	77.2 (2-Lane)
1.800	2.46	25.03	49.21	88.6 (1-Lane)
1.900	2.40	56.97	47.97	86.3 (2-Lane)
1.900	2.75	65.38	55.06	99.1 (1-Lane)
1.948	1.91	106.28	38.12	68.6 (2-Lane)
1.948	2.19	121.98	43.75	78.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1948

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	LL		LL		LL		LL	
1.000	1.00		1.00		0.80		0.80	
1.048								
1.100								
1.200								
1.300								
1.400								
1.500								
1.600								
1.700								
1.800								
1.900								
1.948								
2.000								

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	375.0	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	492.2	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	562.5	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	586.0	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	562.5	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	492.2	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	375.0	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	210.9	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1948

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1949

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	33.39	999.00	10.07	999.00	201.33	362.4 (2-Lane)
1.100	44.65	999.00	13.46	999.00	269.25	484.7 (1-Lane)
1.200	17.53	999.00	5.21	999.00	104.25	187.6 (2-Lane)
1.200	23.44	999.00	6.97	999.00	139.41	250.9 (1-Lane)
1.300	13.24	999.00	3.91	999.00	78.22	140.8 (2-Lane)
1.300	17.71	999.00	5.23	999.00	104.60	188.3 (1-Lane)
1.400	11.28	999.00	3.32	999.00	66.48	119.7 (2-Lane)
1.400	15.09	999.00	4.45	999.00	88.91	160.0 (1-Lane)
1.500	10.90	999.00	3.21	999.00	64.23	115.6 (2-Lane)
1.500	14.58	999.00	4.30	999.00	85.90	154.6 (1-Lane)
1.600	11.28	999.00	3.32	999.00	66.48	119.7 (2-Lane)
1.600	15.09	999.00	4.45	999.00	88.91	160.0 (1-Lane)
1.700	13.24	999.00	3.91	999.00	78.22	140.8 (2-Lane)
1.700	17.71	999.00	5.23	999.00	104.60	188.3 (1-Lane)
1.800	17.53	999.00	5.21	999.00	104.25	187.6 (2-Lane)
1.800	23.44	999.00	6.97	999.00	139.41	250.9 (1-Lane)
1.900	32.96	999.00	9.86	999.00	197.18	354.9 (2-Lane)
1.900	44.07	999.00	13.19	999.00	263.70	474.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1950

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	468.8	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	615.3	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	703.2	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	732.5	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	703.2	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00

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1.700	615.3	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83
1.800	468.8	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08
1.900	263.7	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1951

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1952

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.56	999.00	9.56	999.00	0.00	239.0 (2-Lane)
1.100	12.79	999.00	12.79	999.00	0.00	319.7 (1-Lane)
1.200	5.22	999.00	5.22	999.00	0.00	130.5 (2-Lane)
1.200	6.98	999.00	6.98	999.00	0.00	174.5 (1-Lane)
1.300	4.03	999.00	4.03	999.00	0.00	100.6 (2-Lane)
1.300	5.38	999.00	5.38	999.00	0.00	134.6 (1-Lane)
1.400	3.51	999.00	3.51	999.00	0.00	87.7 (2-Lane)
1.400	4.69	999.00	4.69	999.00	0.00	117.3 (1-Lane)
1.500	3.40	999.00	3.40	999.00	0.00	85.0 (2-Lane)
1.500	4.55	999.00	4.55	999.00	0.00	113.6 (1-Lane)
1.600	3.51	999.00	3.51	999.00	0.00	87.7 (2-Lane)
1.600	4.69	999.00	4.69	999.00	0.00	117.3 (1-Lane)
1.700	4.03	999.00	4.03	999.00	0.00	100.6 (2-Lane)
1.700	5.38	999.00	5.38	999.00	0.00	134.6 (1-Lane)
1.800	5.22	999.00	5.22	999.00	0.00	130.5 (2-Lane)
1.800	6.98	999.00	6.98	999.00	0.00	174.5 (1-Lane)
1.900	9.43	999.00	9.43	999.00	0.00	235.7 (2-Lane)
1.900	12.61	999.00	12.61	999.00	0.00	315.2 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1953

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
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1.25

1.25

1.75

1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	70.55	0.00	53.04	0.00	61.47	0.00	46.22
1.100	48.4	6.2	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	31.0	4.6	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	20.6	3.1	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	10.3	1.5	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-10.3	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-20.6	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-31.0	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-41.3	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.948	-46.2	-13.8	-70.15	0.00	-52.75	0.00	-61.12	0.00	-45.96
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1954

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	106.0	47.7	164.6	-188.4	140.9 (2-Lane)
1.300	109.7	47.7	168.4	-192.1	144.6 (1-Lane)
1.400	67.3	32.1	99.4	-111.3	87.6 (2-Lane)
1.400	68.8	32.1	101.0	-112.8	89.1 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	67.3	32.1	99.4	-87.6	111.3 (2-Lane)
1.600	68.8	32.1	101.0	-89.1	112.8 (1-Lane)
1.700	106.0	47.7	164.6	-140.9	188.4 (2-Lane)
1.700	109.7	47.7	168.4	-144.6	192.1 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 1955

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	217.76	2.47	0.00	61.7 (2-Lane)
1.048	249.93	2.84	0.00	70.9 (1-Lane)
1.100	82.14	3.05	0.00	76.3 (2-Lane)
1.100	94.27	3.50	0.00	87.6 (1-Lane)
1.200	24.91	2.93	0.00	73.3 (2-Lane)
1.200	28.59	3.37	0.00	84.2 (1-Lane)
1.300	12.18	2.88	0.00	72.1 (2-Lane)
1.300	14.26	3.40	0.00	84.9 (1-Lane)
1.400	4.82	2.17	0.00	54.4 (2-Lane)
1.400	5.61	2.54	0.00	63.5 (1-Lane)
1.500	2.85	2.85	0.00	71.2 (2-Lane)
1.500	3.27	3.27	0.00	81.8 (1-Lane)
1.600	2.17	4.82	0.00	54.4 (2-Lane)
1.600	2.54	5.61	0.00	63.5 (1-Lane)
1.700	2.88	12.18	0.00	72.1 (2-Lane)
1.700	3.40	14.26	0.00	84.9 (1-Lane)
1.800	2.93	24.91	0.00	73.3 (2-Lane)
1.800	3.37	28.59	0.00	84.2 (1-Lane)
1.900	3.30	82.77	0.00	82.6 (2-Lane)

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1.900	3.79	95.00	0.00	94.8 (1-Lane)
1.948	2.63	200.05	0.00	65.8 (2-Lane)
1.948	3.02	229.61	0.00	75.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1956

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: 3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	375.0	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	492.2	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	562.5	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	586.0	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	562.5	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	492.2	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	375.0	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	210.9	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1956

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1957

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	46.00	999.00	13.87	999.00	0.00	346.7 (2-Lane)
1.100	61.51	999.00	18.55	999.00	0.00	463.6 (1-Lane)
1.200	23.98	999.00	7.13	999.00	0.00	178.3 (2-Lane)
1.200	32.07	999.00	9.54	999.00	0.00	238.4 (1-Lane)
1.300	17.95	999.00	5.30	999.00	0.00	132.5 (2-Lane)
1.300	24.01	999.00	7.09	999.00	0.00	177.3 (1-Lane)

1.400	15.23	999.00	4.49	999.00	0.00	112.1 (2-Lane)
1.400	20.36	999.00	6.00	999.00	0.00	150.0 (1-Lane)
1.500	14.56	999.00	4.29	999.00	0.00	107.2 (2-Lane)
1.500	19.47	999.00	5.74	999.00	0.00	143.4 (1-Lane)
1.600	15.23	999.00	4.49	999.00	0.00	112.1 (2-Lane)
1.600	20.36	999.00	6.00	999.00	0.00	150.0 (1-Lane)
1.700	17.95	999.00	5.30	999.00	0.00	132.5 (2-Lane)
1.700	24.01	999.00	7.09	999.00	0.00	177.3 (1-Lane)
1.800	23.98	999.00	7.13	999.00	0.00	178.3 (2-Lane)
1.800	32.07	999.00	9.54	999.00	0.00	238.4 (1-Lane)
1.900	45.40	999.00	13.58	999.00	0.00	339.5 (2-Lane)
1.900	60.72	999.00	18.16	999.00	0.00	454.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1958

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	468.8	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	615.3	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	703.2	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	732.5	109.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	703.2	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	615.3	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	468.8	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	263.7	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1959

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1960

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3S2

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

9999999_20120831cy17_FlexuralRpt.txt					
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	8.10	999.00	8.10	999.00	0.00 324.1 (2-Lane)
1.100	10.84	999.00	10.84	999.00	0.00 433.4 (1-Lane)
1.200	4.67	999.00	4.67	999.00	0.00 186.8 (2-Lane)
1.200	6.25	999.00	6.25	999.00	0.00 249.8 (1-Lane)
1.300	3.51	999.00	3.51	999.00	0.00 140.4 (2-Lane)
1.300	4.70	999.00	4.70	999.00	0.00 187.8 (1-Lane)
1.400	3.11	999.00	3.11	999.00	0.00 124.3 (2-Lane)
1.400	4.16	999.00	4.16	999.00	0.00 166.2 (1-Lane)
1.500	3.13	999.00	3.13	999.00	0.00 125.2 (2-Lane)
1.500	4.18	999.00	4.18	999.00	0.00 167.4 (1-Lane)
1.600	3.11	999.00	3.11	999.00	0.00 124.3 (2-Lane)
1.600	4.16	999.00	4.16	999.00	0.00 166.2 (1-Lane)
1.700	3.51	999.00	3.51	999.00	0.00 140.4 (2-Lane)
1.700	4.70	999.00	4.70	999.00	0.00 187.8 (1-Lane)
1.800	4.67	999.00	4.67	999.00	0.00 186.8 (2-Lane)
1.800	6.25	999.00	6.25	999.00	0.00 249.8 (1-Lane)
1.900	7.99	999.00	7.99	999.00	0.00 319.5 (2-Lane)
1.900	10.68	999.00	10.68	999.00	0.00 427.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1961

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3S2

		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.75		1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	85.15	0.00	64.02	0.00	74.19	0.00	55.78	0.00
1.100	48.4	6.2	77.94	0.00	58.60	0.00	67.91	0.00	51.06	0.00
1.200	31.0	4.6	64.20	0.00	48.27	0.00	55.93	0.00	42.05	0.00
1.300	20.6	3.1	50.91	0.00	38.28	0.00	44.36	0.00	33.35	0.00
1.400	10.3	1.5	39.54	0.00	29.73	0.00	34.45	0.00	25.90	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00	18.59	0.00
1.600	-10.3	-1.5	-39.54	0.00	-29.73	0.00	-34.45	0.00	-25.90	0.00
1.700	-20.6	-3.1	-50.91	0.00	-38.28	0.00	-44.36	0.00	-33.35	0.00
1.800	-31.0	-4.6	-64.20	0.00	-48.27	0.00	-55.93	0.00	-42.05	0.00
1.900	-41.3	-6.2	-77.94	0.00	-58.60	0.00	-67.91	0.00	-51.06	0.00
1.948	-46.2	-13.8	-84.51	0.00	-63.54	0.00	-73.63	0.00	-55.36	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1962

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.6	47.7	161.3	-185.0	137.6 (2-Lane)
1.300	106.9	47.7	165.6	-189.3	141.8 (1-Lane)
1.400	63.9	32.1	96.0	-107.9	84.2 (2-Lane)
1.400	65.7	32.1	97.8	-109.7	86.0 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	63.9	32.1	96.0	-84.2	107.9 (2-Lane)
1.600	65.7	32.1	97.8	-86.0	109.7 (1-Lane)
1.700	102.6	47.7	161.3	-137.6	185.0 (2-Lane)
1.700	106.9	47.7	165.6	-141.8	189.3 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)

1.948 88.4 145.1 244.7 -184.7 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 304.8 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1963
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G11
Rating Type: I-INV
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	217.76	2.05	0.00	81.9 (2-Lane)
1.048	249.93	2.35	0.00	94.0 (1-Lane)
1.100	82.14	2.59	0.00	103.5 (2-Lane)
1.100	94.27	2.97	0.00	118.8 (1-Lane)
1.200	24.91	2.62	0.00	105.0 (2-Lane)
1.200	28.59	3.01	0.00	120.5 (1-Lane)
1.300	11.97	2.70	0.00	108.1 (2-Lane)
1.300	14.05	3.20	0.00	127.9 (1-Lane)
1.400	5.06	2.13	0.00	85.1 (2-Lane)
1.400	5.91	2.49	0.00	99.8 (1-Lane)
1.500	3.18	3.18	0.00	127.3 (2-Lane)
1.500	3.65	3.65	0.00	146.1 (1-Lane)
1.600	2.13	5.06	0.00	85.1 (2-Lane)
1.600	2.49	5.91	0.00	99.8 (1-Lane)
1.700	2.70	11.97	0.00	108.1 (2-Lane)
1.700	3.20	14.05	0.00	127.9 (1-Lane)
1.800	2.62	24.91	0.00	105.0 (2-Lane)
1.800	3.01	28.59	0.00	120.5 (1-Lane)
1.900	2.80	82.77	0.00	112.0 (2-Lane)
1.900	3.21	95.00	0.00	128.5 (1-Lane)
1.948	2.18	200.05	0.00	87.4 (2-Lane)
1.948	2.51	229.61	0.00	100.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1964
SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G11
Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	375.0	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	492.2	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	562.5	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	586.0	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	562.5	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	492.2	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	375.0	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.900	210.9	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1964
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G11
Rating Type: III-IN
Rating Live Load: STRESSES

Span	Service Resistance	Available Resistance for LL+I
	Positive Bending Negative Bending	Positive Bending Negative Bending

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	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1965

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	38.98	999.00	11.75	999.00	0.00	470.0 (2-Lane)
1.100	52.13	999.00	15.72	999.00	0.00	628.6 (1-Lane)
1.200	21.46	999.00	6.38	999.00	0.00	255.3 (2-Lane)
1.200	28.70	999.00	8.54	999.00	0.00	341.4 (1-Lane)
1.300	15.66	999.00	4.62	999.00	0.00	185.0 (2-Lane)
1.300	20.94	999.00	6.18	999.00	0.00	247.4 (1-Lane)
1.400	13.48	999.00	3.97	999.00	0.00	158.9 (2-Lane)
1.400	18.03	999.00	5.31	999.00	0.00	212.4 (1-Lane)
1.500	13.40	999.00	3.95	999.00	0.00	157.9 (2-Lane)
1.500	17.92	999.00	5.28	999.00	0.00	211.2 (1-Lane)
1.600	13.48	999.00	3.97	999.00	0.00	158.9 (2-Lane)
1.600	18.03	999.00	5.31	999.00	0.00	212.4 (1-Lane)
1.700	15.66	999.00	4.62	999.00	0.00	185.0 (2-Lane)
1.700	20.94	999.00	6.18	999.00	0.00	247.4 (1-Lane)
1.800	21.46	999.00	6.38	999.00	0.00	255.3 (2-Lane)
1.800	28.70	999.00	8.54	999.00	0.00	341.4 (1-Lane)
1.900	38.47	999.00	11.51	999.00	0.00	460.3 (2-Lane)
1.900	51.45	999.00	15.39	999.00	0.00	615.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1966

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	468.8	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	615.3	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	703.2	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	732.5	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	703.2	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	615.3	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	468.8	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	263.7	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1967

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1968

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.44	999.00	9.44	999.00	0.00	377.6 (2-Lane)
1.100	12.62	999.00	12.62	999.00	0.00	505.0 (1-Lane)
1.200	5.43	999.00	5.43	999.00	0.00	217.2 (2-Lane)
1.200	7.26	999.00	7.26	999.00	0.00	290.5 (1-Lane)
1.300	4.26	999.00	4.26	999.00	0.00	170.6 (2-Lane)
1.300	5.70	999.00	5.70	999.00	0.00	228.2 (1-Lane)
1.400	3.98	999.00	3.98	999.00	0.00	159.1 (2-Lane)
1.400	5.32	999.00	5.32	999.00	0.00	212.8 (1-Lane)
1.500	3.71	999.00	3.71	999.00	0.00	148.3 (2-Lane)
1.500	4.96	999.00	4.96	999.00	0.00	198.4 (1-Lane)
1.600	3.98	999.00	3.98	999.00	0.00	159.1 (2-Lane)
1.600	5.32	999.00	5.32	999.00	0.00	212.8 (1-Lane)
1.700	4.26	999.00	4.26	999.00	0.00	170.6 (2-Lane)
1.700	5.70	999.00	5.70	999.00	0.00	228.2 (1-Lane)
1.800	5.43	999.00	5.43	999.00	0.00	217.2 (2-Lane)
1.800	7.26	999.00	7.26	999.00	0.00	290.5 (1-Lane)
1.900	9.31	999.00	9.31	999.00	0.00	372.3 (2-Lane)
1.900	12.45	999.00	12.45	999.00	0.00	497.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1969

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load	Truck w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	73.05	0.00	54.92	0.00	63.64	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.100	48.4	6.2	66.89	0.00	50.29	0.00	58.28	0.00	43.82
1.200	31.0	4.6	55.21	0.00	41.51	0.00	48.10	0.00	36.17
1.300	20.6	3.1	43.53	0.00	32.73	0.00	37.92	0.00	28.51
1.400	10.3	1.5	33.97	0.00	25.54	0.00	29.60	0.00	22.26
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30
1.600	-10.3	-1.5	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26
1.700	-20.6	-3.1	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51
1.800	-31.0	-4.6	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17
1.900	-41.3	-6.2	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82
1.948	-46.2	-13.8	-72.48	0.00	-54.49	0.00	-63.15	0.00	-47.48
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

PAGE 1970

STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-INV

Rating Live Load:

3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.5	47.7	161.2	-184.9	137.4 (2-Lane)
1.300	106.0	47.7	164.7	-188.4	141.0 (1-Lane)
1.400	64.4	32.1	96.5	-108.4	84.6 (2-Lane)
1.400	65.6	32.1	97.7	-109.6	85.8 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.4	32.1	96.5	-84.6	108.4 (2-Lane)
1.600	65.6	32.1	97.7	-85.9	109.6 (1-Lane)
1.700	102.5	47.7	161.2	-137.4	184.9 (2-Lane)
1.700	106.0	47.7	164.7	-141.0	188.4 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

PAGE 1971

STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-INV

Rating Live Load:

3-3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	264.42	2.38	0.00	95.4 (2-Lane)
1.048	303.49	2.74	0.00	109.5 (1-Lane)
1.100	99.74	3.02	0.00	120.6 (2-Lane)
1.100	114.47	3.46	0.00	138.4 (1-Lane)
1.200	30.25	3.05	0.00	122.1 (2-Lane)
1.200	34.72	3.50	0.00	140.2 (1-Lane)
1.300	14.52	3.16	0.00	126.3 (2-Lane)
1.300	16.98	3.72	0.00	148.7 (1-Lane)
1.400	5.75	2.49	0.00	99.6 (2-Lane)
1.400	6.67	2.90	0.00	116.0 (1-Lane)
1.500	3.42	3.42	0.00	136.7 (2-Lane)
1.500	3.92	3.92	0.00	156.9 (1-Lane)
1.600	2.49	5.75	0.00	99.6 (2-Lane)
1.600	2.90	6.67	0.00	116.0 (1-Lane)
1.700	3.16	14.52	0.00	126.3 (2-Lane)
1.700	3.72	16.98	0.00	148.7 (1-Lane)
1.800	3.05	30.25	0.00	122.1 (2-Lane)
1.800	3.50	34.72	0.00	140.2 (1-Lane)
1.900	3.26	100.50	0.00	130.5 (2-Lane)
1.900	3.74	115.35	0.00	149.8 (1-Lane)
1.948	2.55	242.92	0.00	101.9 (2-Lane)
1.948	2.92	278.82	0.00	117.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1972

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.00	1.00	(2-Lane) 0.80	(1-Lane) 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00
1.200	375.0	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00
1.300	492.2	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00
1.400	562.5	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00
1.500	586.0	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00
1.600	562.5	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00
1.700	492.2	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00
1.800	375.0	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00
1.900	210.9	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1972

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1973

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	45.42	999.00	13.69	999.00	0.00	547.7 (2-Lane)
1.100	60.74	999.00	18.31	999.00	0.00	732.5 (1-Lane)
1.200	24.96	999.00	7.42	999.00	0.00	296.9 (2-Lane)
1.200	33.38	999.00	9.93	999.00	0.00	397.0 (1-Lane)
1.300	19.03	999.00	5.62	999.00	0.00	224.7 (2-Lane)
1.300	25.44	999.00	7.51	999.00	0.00	300.6 (1-Lane)
1.400	17.26	999.00	5.09	999.00	0.00	203.4 (2-Lane)
1.400	23.09	999.00	6.80	999.00	0.00	272.0 (1-Lane)
1.500	15.89	999.00	4.68	999.00	0.00	187.2 (2-Lane)
1.500	21.25	999.00	6.26	999.00	0.00	250.3 (1-Lane)
1.600	17.26	999.00	5.09	999.00	0.00	203.4 (2-Lane)

1.600	23.09	999.00	6.80	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	272.0 (1-Lane)
1.700	19.03	999.00	5.62	999.00	0.00	224.7 (2-Lane)
1.700	25.44	999.00	7.51	999.00	0.00	300.6 (1-Lane)
1.800	24.96	999.00	7.42	999.00	0.00	296.9 (2-Lane)
1.800	33.38	999.00	9.93	999.00	0.00	397.0 (1-Lane)
1.900	44.83	999.00	13.41	999.00	0.00	536.4 (2-Lane)
1.900	59.95	999.00	17.93	999.00	0.00	717.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1974

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	468.8	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	615.3	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	703.2	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	732.5	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	703.2	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	615.3	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	468.8	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	263.7	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1975

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.0 (1-Lane)
1.100	8.65	999.00	8.65	233.7 (2-Lane)
1.100	11.57	999.00	11.57	312.5 (1-Lane)

1.200	4.71	999.00	4.71	999.00	0.00	127.1 (2-Lane)
1.200	6.30	999.00	6.30	999.00	0.00	170.0 (1-Lane)
1.300	3.62	999.00	3.62	999.00	0.00	97.6 (2-Lane)
1.300	4.84	999.00	4.84	999.00	0.00	130.5 (1-Lane)
1.400	3.11	999.00	3.11	999.00	0.00	83.9 (2-Lane)
1.400	4.15	999.00	4.15	999.00	0.00	112.2 (1-Lane)
1.500	2.99	999.00	2.99	999.00	0.00	80.6 (2-Lane)
1.500	3.99	999.00	3.99	999.00	0.00	107.8 (1-Lane)
1.600	3.11	999.00	3.11	999.00	0.00	83.9 (2-Lane)
1.600	4.15	999.00	4.15	999.00	0.00	112.2 (1-Lane)
1.700	3.62	999.00	3.62	999.00	0.00	97.6 (2-Lane)
1.700	4.84	999.00	4.84	999.00	0.00	130.5 (1-Lane)
1.800	4.71	999.00	4.71	999.00	0.00	127.1 (2-Lane)
1.800	6.30	999.00	6.30	999.00	0.00	170.0 (1-Lane)
1.900	8.53	999.00	8.53	999.00	0.00	230.4 (2-Lane)
1.900	11.41	999.00	11.41	999.00	0.00	308.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1977

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	77.82	0.00	58.51	0.00	67.80	0.00	50.98	0.00
1.100	48.4	6.2	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00
1.200	31.0	4.6	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00
1.300	20.6	3.1	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00
1.400	10.3	1.5	45.13	0.00	33.93	0.00	39.32	0.00	29.56	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49	0.00
1.600	-10.3	-1.5	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56	0.00
1.700	-20.6	-3.1	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64	0.00
1.800	-31.0	-4.6	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71	0.00
1.900	-41.3	-6.2	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79	0.00
1.948	-46.2	-13.8	-77.39	0.00	-58.19	0.00	-67.43	0.00	-50.70	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1978

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	107.2	47.7	165.9	-189.7	142.2 (2-Lane)
1.300	111.4	47.7	170.1	-193.8	146.4 (1-Lane)
1.400	68.5	32.1	100.6	-112.5	88.7 (2-Lane)
1.400	70.3	32.1	102.4	-114.3	90.6 (1-Lane)
1.500	40.9	50.6	91.6	-91.6	91.6 (2-Lane)
1.500	41.1	50.6	91.8	-91.8	91.8 (1-Lane)
1.600	68.5	32.1	100.6	-88.7	112.5 (2-Lane)
1.600	70.3	32.1	102.5	-90.6	114.3 (1-Lane)
1.700	107.2	47.7	165.9	-142.2	189.7 (2-Lane)
1.700	111.4	47.7	170.1	-146.4	193.8 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1979

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	217.76	2.24	0.00	60.5 (2-Lane)
1.048	249.93	2.57	0.00	69.4 (1-Lane)
1.100	82.14	2.76	0.00	74.6 (2-Lane)
1.100	94.27	3.17	0.00	85.7 (1-Lane)
1.200	22.97	2.65	0.00	71.5 (2-Lane)
1.200	26.36	3.04	0.00	82.0 (1-Lane)
1.300	10.74	2.61	0.00	70.6 (2-Lane)
1.300	12.60	3.09	0.00	83.4 (1-Lane)
1.400	4.23	1.97	0.00	53.1 (2-Lane)
1.400	4.94	2.30	0.00	62.2 (1-Lane)
1.500	2.55	2.55	0.00	69.0 (2-Lane)
1.500	2.94	2.94	0.00	79.3 (1-Lane)
1.600	1.97	4.23	0.00	53.1 (2-Lane)
1.600	2.30	4.94	0.00	62.2 (1-Lane)
1.700	2.61	10.74	0.00	70.6 (2-Lane)
1.700	3.09	12.60	0.00	83.4 (1-Lane)
1.800	2.65	22.97	0.00	71.5 (2-Lane)
1.800	3.04	26.36	0.00	82.0 (1-Lane)
1.900	2.99	82.77	0.00	80.8 (2-Lane)
1.900	3.43	95.00	0.00	92.7 (1-Lane)
1.948	2.39	200.05	0.00	64.4 (2-Lane)
1.948	2.74	229.61	0.00	73.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1980

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	375.0	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	492.2	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	562.5	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	586.0	87.8	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	562.5	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	492.2	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	375.0	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	210.9	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1980

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU4

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1

1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1981

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	41.64	999.00	12.55	999.00	0.00	339.0 (2-Lane)
1.100	55.69	999.00	16.79	999.00	0.00	453.3 (1-Lane)
1.200	21.64	999.00	6.43	999.00	0.00	173.7 (2-Lane)
1.200	28.94	999.00	8.61	999.00	0.00	232.4 (1-Lane)
1.300	16.13	999.00	4.76	999.00	0.00	128.6 (2-Lane)
1.300	21.57	999.00	6.37	999.00	0.00	172.0 (1-Lane)
1.400	13.48	999.00	3.97	999.00	0.00	107.2 (2-Lane)
1.400	18.03	999.00	5.31	999.00	0.00	143.4 (1-Lane)
1.500	12.79	999.00	3.77	999.00	0.00	101.7 (2-Lane)
1.500	17.11	999.00	5.04	999.00	0.00	136.0 (1-Lane)
1.600	13.48	999.00	3.97	999.00	0.00	107.2 (2-Lane)
1.600	18.03	999.00	5.31	999.00	0.00	143.4 (1-Lane)
1.700	16.13	999.00	4.76	999.00	0.00	128.6 (2-Lane)
1.700	21.57	999.00	6.37	999.00	0.00	172.0 (1-Lane)
1.800	21.64	999.00	6.43	999.00	0.00	173.7 (2-Lane)
1.800	28.94	999.00	8.61	999.00	0.00	232.4 (1-Lane)
1.900	41.10	999.00	12.30	999.00	0.00	332.0 (2-Lane)
1.900	54.96	999.00	16.44	999.00	0.00	444.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1982

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	468.8	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	615.3	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	703.2	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	732.5	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	703.2	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	615.3	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	468.8	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	263.7	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1983

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
 Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
 Rating Live Load: SU5

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.80	999.00	7.80	999.00	0.00	241.8 (2-Lane)
1.100	10.43	999.00	10.43	999.00	0.00	323.3 (1-Lane)
1.200	4.26	999.00	4.26	999.00	0.00	132.2 (2-Lane)
1.200	5.70	999.00	5.70	999.00	0.00	176.8 (1-Lane)
1.300	3.26	999.00	3.26	999.00	0.00	101.1 (2-Lane)
1.300	4.36	999.00	4.36	999.00	0.00	135.2 (1-Lane)
1.400	2.81	999.00	2.81	999.00	0.00	87.2 (2-Lane)
1.400	3.76	999.00	3.76	999.00	0.00	116.6 (1-Lane)
1.500	2.74	999.00	2.74	999.00	0.00	84.8 (2-Lane)
1.500	3.66	999.00	3.66	999.00	0.00	113.5 (1-Lane)
1.600	2.81	999.00	2.81	999.00	0.00	87.2 (2-Lane)
1.600	3.76	999.00	3.76	999.00	0.00	116.6 (1-Lane)
1.700	3.26	999.00	3.26	999.00	0.00	101.1 (2-Lane)
1.700	4.36	999.00	4.36	999.00	0.00	135.2 (1-Lane)
1.800	4.26	999.00	4.26	999.00	0.00	132.2 (2-Lane)
1.800	5.70	999.00	5.70	999.00	0.00	176.8 (1-Lane)
1.900	7.69	999.00	7.69	999.00	0.00	238.4 (2-Lane)
1.900	10.28	999.00	10.28	999.00	0.00	318.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1985

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
 Rating Live Load: SU5

Gamma	DC		DW		(2-Lane) LL 1.75		(1-Lane) LL 1.75	
	1.25		1.25					
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	86.55	0.00	65.08	0.00	75.41	0.00
1.100	48.4	6.2	80.96	0.00	60.88	0.00	70.54	0.00
1.200	31.0	4.6	70.32	0.00	52.87	0.00	61.26	0.00
1.300	20.6	3.1	59.67	0.00	44.86	0.00	51.99	0.00
1.400	10.3	1.5	49.02	0.00	36.85	0.00	42.71	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00
1.600	-10.3	-1.5	-49.02	0.00	-36.85	0.00	-42.71	0.00
1.700	-20.6	-3.1	-59.67	0.00	-44.86	0.00	-51.99	0.00
1.800	-31.0	-4.6	-70.32	0.00	-52.87	0.00	-61.26	0.00

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1.900	-41.3	-6.2	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04
1.948	-46.2	-13.8	-86.06	0.00	-64.71	0.00	-74.98	0.00	-56.38
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-INV

Rating Live Load:

SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	107.9	47.7	166.6	-190.3	142.8 (2-Lane)
1.300	112.5	47.7	171.2	-194.9	147.4 (1-Lane)
1.400	69.0	32.1	101.1	-113.0	89.3 (2-Lane)
1.400	71.1	32.1	103.3	-115.1	91.4 (1-Lane)
1.500	41.5	50.6	92.1	-92.1	92.1 (2-Lane)
1.500	41.9	50.6	92.5	-92.5	92.5 (1-Lane)
1.600	69.0	32.1	101.1	-89.3	113.0 (2-Lane)
1.600	71.1	32.1	103.3	-91.4	115.1 (1-Lane)
1.700	107.9	47.7	166.6	-142.8	190.3 (2-Lane)
1.700	112.5	47.7	171.2	-147.4	194.9 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-INV

Rating Live Load:

SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	217.76	2.01	0.00	62.4 (2-Lane)
1.048	249.93	2.31	0.00	71.6 (1-Lane)
1.100	82.14	2.49	0.00	77.2 (2-Lane)
1.100	94.27	2.86	0.00	88.6 (1-Lane)
1.200	22.97	2.40	0.00	74.3 (2-Lane)
1.200	26.36	2.75	0.00	85.3 (1-Lane)
1.300	10.09	2.39	0.00	74.2 (2-Lane)
1.300	11.85	2.84	0.00	87.9 (1-Lane)
1.400	4.08	1.82	0.00	56.5 (2-Lane)
1.400	4.77	2.14	0.00	66.3 (1-Lane)
1.500	2.40	2.40	0.00	74.4 (2-Lane)
1.500	2.77	2.77	0.00	85.8 (1-Lane)
1.600	1.82	4.08	0.00	56.5 (2-Lane)
1.600	2.14	4.77	0.00	66.3 (1-Lane)
1.700	2.39	10.09	0.00	74.2 (2-Lane)
1.700	2.84	11.85	0.00	87.9 (1-Lane)
1.800	2.40	22.97	0.00	74.3 (2-Lane)
1.800	2.75	26.36	0.00	85.3 (1-Lane)
1.900	2.69	82.77	0.00	83.5 (2-Lane)
1.900	3.09	95.00	0.00	95.9 (1-Lane)
1.948	2.15	200.05	0.00	66.5 (2-Lane)
1.948	2.46	229.61	0.00	76.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	375.0	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	492.2	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	562.5	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	586.0	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	562.5	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	492.2	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	375.0	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	210.9	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1988

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	37.52	999.00	11.31	999.00	0.00	350.7 (2-Lane)
1.100	50.18	999.00	15.13	999.00	0.00	469.0 (1-Lane)
1.200	19.59	999.00	5.83	999.00	0.00	180.6 (2-Lane)
1.200	26.20	999.00	7.79	999.00	0.00	241.6 (1-Lane)
1.300	14.55	999.00	4.30	999.00	0.00	133.2 (2-Lane)
1.300	19.45	999.00	5.74	999.00	0.00	178.1 (1-Lane)
1.400	12.21	999.00	3.60	999.00	0.00	111.5 (2-Lane)
1.400	16.33	999.00	4.81	999.00	0.00	149.1 (1-Lane)
1.500	11.72	999.00	3.45	999.00	0.00	107.0 (2-Lane)
1.500	15.68	999.00	4.62	999.00	0.00	143.2 (1-Lane)
1.600	12.21	999.00	3.60	999.00	0.00	111.5 (2-Lane)
1.600	16.33	999.00	4.81	999.00	0.00	149.1 (1-Lane)
1.700	14.55	999.00	4.30	999.00	0.00	133.2 (2-Lane)
1.700	19.45	999.00	5.74	999.00	0.00	178.1 (1-Lane)
1.800	19.59	999.00	5.83	999.00	0.00	180.6 (2-Lane)
1.800	26.20	999.00	7.79	999.00	0.00	241.6 (1-Lane)

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1.900	37.03	999.00	11.08	999.00	0.00	343.4 (2-Lane)
1.900	49.53	999.00	14.82	999.00	0.00	459.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1990

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU6

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	
	1.25	1.25	1.75	1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	468.8	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	615.3	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	703.2	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	732.5	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	703.2	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	615.3	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	468.8	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	263.7	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1991

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1992

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU6

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.39	999.00	7.39	999.00	0.00	256.8 (2-Lane)
1.100	9.88	999.00	9.88	999.00	0.00	343.4 (1-Lane)
1.200	3.89	999.00	3.89	999.00	0.00	135.2 (2-Lane)
1.200	5.20	999.00	5.20	999.00	0.00	180.8 (1-Lane)
1.300	2.95	999.00	2.95	999.00	0.00	102.4 (2-Lane)
1.300	3.94	999.00	3.94	999.00	0.00	136.9 (1-Lane)
1.400	2.56	999.00	2.56	999.00	0.00	88.9 (2-Lane)

1.400	3.42	999.00	3.42	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 118.9 (1-Lane)
1.500	2.46	999.00	2.46	999.00	0.00 85.3 (2-Lane)
1.500	3.28	999.00	3.28	999.00	0.00 114.1 (1-Lane)
1.600	2.56	999.00	2.56	999.00	0.00 88.9 (2-Lane)
1.600	3.42	999.00	3.42	999.00	0.00 118.9 (1-Lane)
1.700	2.95	999.00	2.95	999.00	0.00 102.4 (2-Lane)
1.700	3.94	999.00	3.94	999.00	0.00 136.9 (1-Lane)
1.800	3.89	999.00	3.89	999.00	0.00 135.2 (2-Lane)
1.800	5.20	999.00	5.20	999.00	0.00 180.8 (1-Lane)
1.900	7.28	999.00	7.28	999.00	0.00 253.2 (2-Lane)
1.900	9.74	999.00	9.74	999.00	0.00 338.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1993

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	91.71	0.00	68.96	0.00	79.91	0.00	60.08	0.00
1.100	48.4	6.2	85.45	0.00	64.25	0.00	74.45	0.00	55.98	0.00
1.200	31.0	4.6	73.51	0.00	55.27	0.00	64.05	0.00	48.16	0.00
1.300	20.6	3.1	61.58	0.00	46.30	0.00	53.65	0.00	40.34	0.00
1.400	10.3	1.5	49.64	0.00	37.32	0.00	43.25	0.00	32.52	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70	0.00
1.600	-10.3	-1.5	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52	0.00
1.700	-20.6	-3.1	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34	0.00
1.800	-31.0	-4.6	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16	0.00
1.900	-41.3	-6.2	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98	0.00
1.948	-46.2	-13.8	-91.16	0.00	-68.54	0.00	-79.43	0.00	-59.72	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1994

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	105.1	47.7	163.8	-187.5	140.1 (2-Lane)
1.300	110.1	47.7	168.7	-192.5	145.0 (1-Lane)
1.400	67.0	32.1	99.1	-110.9	87.2 (2-Lane)
1.400	69.3	32.1	101.4	-113.3	89.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.9	50.6	90.5	-90.5	90.5 (1-Lane)
1.600	67.0	32.1	99.1	-87.2	110.9 (2-Lane)
1.600	69.3	32.1	101.4	-89.6	113.3 (1-Lane)
1.700	105.1	47.7	163.8	-140.1	187.5 (2-Lane)
1.700	110.1	47.7	168.7	-145.0	192.5 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1995

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	321.90	1.90	0.00	66.0 (2-Lane)
1.048	369.46	2.18	0.00	75.8 (1-Lane)
1.100	138.89	2.36	0.00	82.0 (2-Lane)
1.100	159.41	2.71	0.00	94.1 (1-Lane)
1.200	29.03	2.29	0.00	79.7 (2-Lane)
1.200	33.32	2.63	0.00	91.4 (1-Lane)
1.300	11.07	2.28	0.00	79.1 (2-Lane)
1.300	13.04	2.70	0.00	93.9 (1-Lane)
1.400	4.12	1.76	0.00	61.1 (2-Lane)
1.400	4.83	2.07	0.00	72.0 (1-Lane)
1.500	2.39	2.39	0.00	83.2 (2-Lane)
1.500	2.76	2.76	0.00	95.8 (1-Lane)
1.600	1.76	4.12	0.00	61.1 (2-Lane)
1.600	2.07	4.83	0.00	72.0 (1-Lane)
1.700	2.28	11.07	0.00	79.1 (2-Lane)
1.700	2.70	13.04	0.00	93.9 (1-Lane)
1.800	2.29	29.03	0.00	79.7 (2-Lane)
1.800	2.63	33.32	0.00	91.4 (1-Lane)
1.900	2.55	139.96	0.00	88.7 (2-Lane)
1.900	2.93	160.63	0.00	101.9 (1-Lane)
1.948	2.03	295.73	0.00	70.4 (2-Lane)
1.948	2.33	339.43	0.00	80.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1996

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	375.0	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	492.2	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	562.5	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	586.0	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	562.5	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	492.2	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	375.0	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	210.9	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1996

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1997

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	35.55	999.00	10.72	999.00	0.00	372.4 (2-Lane)
1.100	47.54	999.00	14.33	999.00	0.00	498.1 (1-Lane)
1.200	17.87	999.00	5.32	999.00	0.00	184.7 (2-Lane)
1.200	23.90	999.00	7.11	999.00	0.00	247.0 (1-Lane)
1.300	13.14	999.00	3.88	999.00	0.00	134.9 (2-Lane)
1.300	17.58	999.00	5.19	999.00	0.00	180.4 (1-Lane)
1.400	11.10	999.00	3.27	999.00	0.00	113.7 (2-Lane)
1.400	14.85	999.00	4.37	999.00	0.00	152.0 (1-Lane)
1.500	10.52	999.00	3.10	999.00	0.00	107.7 (2-Lane)
1.500	14.07	999.00	4.14	999.00	0.00	144.0 (1-Lane)
1.600	11.10	999.00	3.27	999.00	0.00	113.7 (2-Lane)
1.600	14.85	999.00	4.37	999.00	0.00	152.0 (1-Lane)
1.700	13.14	999.00	3.88	999.00	0.00	134.9 (2-Lane)
1.700	17.58	999.00	5.19	999.00	0.00	180.4 (1-Lane)
1.800	17.87	999.00	5.32	999.00	0.00	184.7 (2-Lane)
1.800	23.90	999.00	7.11	999.00	0.00	247.0 (1-Lane)
1.900	35.09	999.00	10.50	999.00	0.00	364.8 (2-Lane)
1.900	46.93	999.00	14.04	999.00	0.00	487.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 1998

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	468.8	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	615.3	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	703.2	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	732.5	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	703.2	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	615.3	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	468.8	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	263.7	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 1999

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Positive Top	Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
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1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2000

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.06	999.00	7.06	999.00	0.00	273.7 (2-Lane)
1.100	9.44	999.00	9.44	999.00	0.00	366.0 (1-Lane)
1.200	3.72	999.00	3.72	999.00	0.00	144.1 (2-Lane)
1.200	4.97	999.00	4.97	999.00	0.00	192.7 (1-Lane)
1.300	2.74	999.00	2.74	999.00	0.00	106.1 (2-Lane)
1.300	3.66	999.00	3.66	999.00	0.00	141.8 (1-Lane)
1.400	2.37	999.00	2.37	999.00	0.00	91.8 (2-Lane)
1.400	3.17	999.00	3.17	999.00	0.00	122.8 (1-Lane)
1.500	2.26	999.00	2.26	999.00	0.00	87.7 (2-Lane)
1.500	3.03	999.00	3.03	999.00	0.00	117.3 (1-Lane)
1.600	2.37	999.00	2.37	999.00	0.00	91.8 (2-Lane)
1.600	3.17	999.00	3.17	999.00	0.00	122.8 (1-Lane)
1.700	2.74	999.00	2.74	999.00	0.00	106.1 (2-Lane)
1.700	3.66	999.00	3.66	999.00	0.00	141.8 (1-Lane)
1.800	3.72	999.00	3.72	999.00	0.00	144.1 (2-Lane)
1.800	4.97	999.00	4.97	999.00	0.00	192.7 (1-Lane)
1.900	6.96	999.00	6.96	999.00	0.00	269.8 (2-Lane)
1.900	9.31	999.00	9.31	999.00	0.00	360.8 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2001

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)				(1-Lane)
	1.25	1.25	LL	LL	LL	LL	
			1.75	1.75	1.75	1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	
1.000	51.6	0.0	0.00	0.00	0.00	0.00	
1.048	50.1	7.0	96.39	0.00	83.98	0.00	
1.100	48.4	6.2	89.41	0.00	77.90	0.00	
1.200	31.0	4.6	76.10	0.00	66.30	0.00	
1.300	20.6	3.1	62.78	0.00	54.70	0.00	
1.400	10.3	1.5	49.47	0.00	43.10	0.00	
1.500	0.0	0.0	36.72	0.00	31.99	0.00	
1.600	-10.3	-1.5	-49.47	0.00	-43.10	0.00	
1.700	-20.6	-3.1	-62.78	0.00	-54.70	0.00	
1.800	-31.0	-4.6	-76.10	0.00	-66.30	0.00	
1.900	-41.3	-6.2	-89.41	0.00	-77.90	0.00	
1.948	-46.2	-13.8	-95.78	0.00	-83.45	0.00	
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2002

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.9	47.7	161.6	-185.3	137.9 (2-Lane)
1.300	108.1	47.7	166.7	-190.5	143.0 (1-Lane)
1.400	64.8	32.1	96.9	-108.8	85.1 (2-Lane)
1.400	67.3	32.1	99.4	-111.3	87.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.8	32.1	96.9	-85.1	108.8 (2-Lane)
1.600	67.3	32.1	99.4	-87.6	111.3 (1-Lane)
1.700	102.9	47.7	161.6	-137.9	185.3 (2-Lane)
1.700	108.1	47.7	166.7	-143.0	190.5 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2003

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-INV
Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	321.90	1.81	0.00	70.0 (2-Lane)
1.048	369.46	2.08	0.00	80.4 (1-Lane)
1.100	157.31	2.26	0.00	87.4 (2-Lane)
1.100	180.55	2.59	0.00	100.3 (1-Lane)
1.200	38.33	2.21	0.00	85.8 (2-Lane)
1.200	43.99	2.54	0.00	98.5 (1-Lane)
1.300	12.55	2.20	0.00	85.1 (2-Lane)
1.300	14.81	2.61	0.00	101.3 (1-Lane)
1.400	4.29	1.72	0.00	66.6 (2-Lane)
1.400	5.03	2.03	0.00	78.7 (1-Lane)
1.500	2.46	2.46	0.00	95.3 (2-Lane)
1.500	2.82	2.82	0.00	109.4 (1-Lane)
1.600	1.72	4.29	0.00	66.6 (2-Lane)
1.600	2.03	5.03	0.00	78.7 (1-Lane)
1.700	2.20	12.55	0.00	85.1 (2-Lane)
1.700	2.61	14.81	0.00	101.3 (1-Lane)
1.800	2.21	38.33	0.00	85.8 (2-Lane)
1.800	2.54	43.99	0.00	98.5 (1-Lane)
1.900	2.44	158.52	0.00	94.6 (2-Lane)
1.900	2.80	181.94	0.00	108.5 (1-Lane)
1.948	1.93	295.73	0.00	74.7 (2-Lane)
1.948	2.21	339.43	0.00	85.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2004

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	83.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	375.0	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	492.2	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	562.5	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	586.0	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	562.5	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	492.2	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	375.0	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	210.9	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.948	110.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2004

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2005

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	33.98	999.00	10.24	999.00	0.00	396.9 (2-Lane)
1.100	45.44	999.00	13.70	999.00	0.00	530.8 (1-Lane)
1.200	17.09	999.00	5.08	999.00	0.00	196.9 (2-Lane)
1.200	22.85	999.00	6.80	999.00	0.00	263.3 (1-Lane)
1.300	12.21	999.00	3.61	999.00	0.00	139.7 (2-Lane)
1.300	16.33	999.00	4.82	999.00	0.00	186.8 (1-Lane)
1.400	10.29	999.00	3.03	999.00	0.00	117.4 (2-Lane)
1.400	13.76	999.00	4.05	999.00	0.00	157.0 (1-Lane)
1.500	9.69	999.00	2.86	999.00	0.00	110.6 (2-Lane)
1.500	12.96	999.00	3.82	999.00	0.00	148.0 (1-Lane)
1.600	10.29	999.00	3.03	999.00	0.00	117.4 (2-Lane)
1.600	13.76	999.00	4.05	999.00	0.00	157.0 (1-Lane)
1.700	12.21	999.00	3.61	999.00	0.00	139.7 (2-Lane)
1.700	16.33	999.00	4.82	999.00	0.00	186.8 (1-Lane)
1.800	17.09	999.00	5.08	999.00	0.00	196.9 (2-Lane)
1.800	22.85	999.00	6.80	999.00	0.00	263.3 (1-Lane)
1.900	33.53	999.00	10.03	999.00	0.00	388.7 (2-Lane)
1.900	44.85	999.00	13.42	999.00	0.00	519.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2006

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	468.8	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	615.3	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	703.2	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	732.5	109.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	703.2	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	615.3	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	468.8	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	263.7	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2007

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2008

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Resistance (tons)
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.30	999.00	7.30	999.00	0.00	262.9 (2-Lane)
1.100	9.77	999.00	9.77	999.00	0.00	351.5 (1-Lane)
1.200	3.99	999.00	3.99	999.00	0.00	143.7 (2-Lane)
1.200	5.34	999.00	5.34	999.00	0.00	192.1 (1-Lane)
1.300	3.08	999.00	3.08	999.00	0.00	111.0 (2-Lane)
1.300	4.12	999.00	4.12	999.00	0.00	148.5 (1-Lane)
1.400	2.69	999.00	2.69	999.00	0.00	96.8 (2-Lane)
1.400	3.60	999.00	3.60	999.00	0.00	129.5 (1-Lane)
1.500	2.62	999.00	2.62	999.00	0.00	94.2 (2-Lane)
1.500	3.50	999.00	3.50	999.00	0.00	125.9 (1-Lane)
1.600	2.69	999.00	2.69	999.00	0.00	96.8 (2-Lane)
1.600	3.60	999.00	3.60	999.00	0.00	129.5 (1-Lane)

						9999999_20120831cy17_FlexuralRpt.txt
1.700	3.08	999.00	3.08	999.00	0.00	111.0 (2-Lane)
1.700	4.12	999.00	4.12	999.00	0.00	148.5 (1-Lane)
1.800	3.99	999.00	3.99	999.00	0.00	143.7 (2-Lane)
1.800	5.34	999.00	5.34	999.00	0.00	192.1 (1-Lane)
1.900	7.20	999.00	7.20	999.00	0.00	259.2 (2-Lane)
1.900	9.63	999.00	9.63	999.00	0.00	346.6 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2009

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: HL93

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35		1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	91.61	0.00	72.96	0.00	79.82	0.00	63.57	0.00
1.100	48.4	6.2	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	31.0	4.6	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	20.6	3.1	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	10.3	1.5	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-10.3	-1.5	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-20.6	-3.1	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00
1.800	-31.0	-4.6	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82	0.00
1.900	-41.3	-6.2	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75	0.00
1.948	-46.2	-13.8	-91.01	0.00	-72.47	0.00	-79.30	0.00	-63.14	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2010

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: HL93

		Shear Resistance		Available Resistance for LL+I	
		Vc	Vs Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	105.7	47.7	164.4	-188.1	140.7 (2-Lane)
1.300	110.5	47.7	169.2	-192.9	145.4 (1-Lane)
1.400	67.1	32.1	99.2	-111.1	87.4 (2-Lane)
1.400	69.3	32.1	101.4	-113.3	89.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.9	50.6	90.6	-90.6	90.6 (1-Lane)
1.600	67.1	32.1	99.2	-87.4	111.1 (2-Lane)
1.600	69.3	32.1	101.4	-89.6	113.3 (1-Lane)
1.700	105.7	47.7	164.4	-140.7	188.1 (2-Lane)
1.700	110.5	47.7	169.2	-145.4	192.9 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2011

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
------	---------------	---------------	-----------------	------------------------------

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	149.96	1.90	0.00	68.5 (2-Lane)
1.048	172.12	2.18	0.00	78.6 (1-Lane)
1.100	72.40	2.38	0.00	85.6 (2-Lane)
1.100	83.10	2.73	0.00	98.2 (1-Lane)
1.200	20.59	2.33	0.00	84.0 (2-Lane)
1.200	23.63	2.68	0.00	96.4 (1-Lane)
1.300	9.81	2.35	0.00	84.4 (2-Lane)
1.300	11.55	2.78	0.00	100.2 (1-Lane)
1.400	4.10	1.82	0.00	65.4 (2-Lane)
1.400	4.80	2.14	0.00	77.0 (1-Lane)
1.500	2.47	2.47	0.00	88.9 (2-Lane)
1.500	2.84	2.84	0.00	102.4 (1-Lane)
1.600	1.82	4.11	0.00	65.4 (2-Lane)
1.600	2.14	4.80	0.00	77.0 (1-Lane)
1.700	2.35	9.81	0.00	84.4 (2-Lane)
1.700	2.78	11.55	0.00	100.2 (1-Lane)
1.800	2.33	20.59	0.00	84.0 (2-Lane)
1.800	2.68	23.63	0.00	96.4 (1-Lane)
1.900	2.57	70.00	0.00	92.6 (2-Lane)
1.900	2.95	80.35	0.00	106.3 (1-Lane)
1.948	2.03	134.77	0.00	73.0 (2-Lane)
1.948	2.33	154.68	0.00	83.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2013

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	468.8	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	615.3	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	703.2	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	732.5	109.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	703.2	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	615.3	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	468.8	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	263.7	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2014

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2015

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
 Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	9.00	999.00	9.00	999.00	179.94	323.9 (2-Lane)
1.100	12.03	999.00	12.03	999.00	240.64	433.2 (1-Lane)
1.200	4.94	999.00	4.94	999.00	98.88	178.0 (2-Lane)
1.200	6.61	999.00	6.61	999.00	132.24	238.0 (1-Lane)
1.300	3.85	999.00	3.85	999.00	76.97	138.5 (2-Lane)
1.300	5.15	999.00	5.15	999.00	102.94	185.3 (1-Lane)
1.400	3.37	999.00	3.37	999.00	67.41	121.3 (2-Lane)
1.400	4.51	999.00	4.51	999.00	90.16	162.3 (1-Lane)
1.500	3.30	999.00	3.30	999.00	65.99	118.8 (2-Lane)
1.500	4.41	999.00	4.41	999.00	88.25	158.8 (1-Lane)
1.600	3.37	999.00	3.37	999.00	67.41	121.3 (2-Lane)
1.600	4.51	999.00	4.51	999.00	90.16	162.3 (1-Lane)
1.700	3.85	999.00	3.85	999.00	76.97	138.5 (2-Lane)
1.700	5.15	999.00	5.15	999.00	102.94	185.3 (1-Lane)
1.800	4.94	999.00	4.94	999.00	98.88	178.0 (2-Lane)
1.800	6.61	999.00	6.61	999.00	132.24	238.0 (1-Lane)
1.900	8.87	999.00	8.87	999.00	177.40	319.3 (2-Lane)
1.900	11.86	999.00	11.86	999.00	237.25	427.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2016

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
 Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	75.19	0.00	56.53	0.00	49.26	0.00
1.100	48.4	6.2	70.18	0.00	52.77	0.00	45.98	0.00
1.200	31.0	4.6	60.64	0.00	45.60	0.00	39.73	0.00
1.300	20.6	3.1	51.10	0.00	38.42	0.00	33.48	0.00
1.400	10.3	1.5	41.56	0.00	31.25	0.00	27.23	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	20.98	0.00
1.600	-10.3	-1.5	-41.56	0.00	-31.25	0.00	-27.23	0.00
1.700	-20.6	-3.1	-51.10	0.00	-38.42	0.00	-33.48	0.00
1.800	-31.0	-4.6	-60.64	0.00	-45.60	0.00	-39.73	0.00
1.900	-41.3	-6.2	-70.18	0.00	-52.77	0.00	-45.98	0.00
1.948	-46.2	-13.8	-74.75	0.00	-56.20	0.00	-48.97	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2017

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
 Rating Live Load: HS20

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	106.5	47.7	165.2	-188.9	141.4 (2-Lane)

1.300	110.4	47.7	169.1	-192.8	145.4 (1-Lane)
1.400	67.5	32.1	99.6	-111.5	87.7 (2-Lane)
1.400	69.1	32.1	101.2	-113.1	89.4 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	67.5	32.1	99.6	-87.7	111.5 (2-Lane)
1.600	69.1	32.1	101.2	-89.4	113.1 (1-Lane)
1.700	106.5	47.7	165.2	-141.4	188.9 (2-Lane)
1.700	110.4	47.7	169.1	-145.4	192.8 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2018

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	149.96	2.32	46.35	83.4 (2-Lane)
1.048	172.12	2.66	53.20	95.8 (1-Lane)
1.100	73.29	2.87	57.46	103.4 (2-Lane)
1.100	84.11	3.30	65.95	118.7 (1-Lane)
1.200	28.27	2.78	55.58	100.0 (2-Lane)
1.200	32.44	3.19	63.79	114.8 (1-Lane)
1.300	12.60	2.77	55.36	99.6 (2-Lane)
1.300	14.77	3.27	65.29	117.5 (1-Lane)
1.400	4.75	2.11	42.22	76.0 (2-Lane)
1.400	5.53	2.47	49.36	88.8 (1-Lane)
1.500	2.82	2.82	56.39	101.5 (2-Lane)
1.500	3.24	3.24	64.72	116.5 (1-Lane)
1.600	2.11	4.75	42.23	76.0 (2-Lane)
1.600	2.47	5.53	49.36	88.9 (1-Lane)
1.700	2.77	12.60	55.36	99.6 (2-Lane)
1.700	3.27	14.77	65.29	117.5 (1-Lane)
1.800	2.78	28.27	55.58	100.0 (2-Lane)
1.800	3.19	32.44	63.79	114.8 (1-Lane)
1.900	3.11	73.85	62.18	111.9 (2-Lane)
1.900	3.57	84.76	71.37	128.5 (1-Lane)
1.948	2.47	137.77	49.41	88.9 (2-Lane)
1.948	2.84	158.12	56.71	102.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2020

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	468.8	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	615.3	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	703.2	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	732.5	109.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	703.2	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	615.3	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	468.8	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	263.7	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2021

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2022

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.39	999.00	12.39	999.00	0.00	309.8 (2-Lane)
1.100	16.58	999.00	16.58	999.00	0.00	414.4 (1-Lane)
1.200	6.76	999.00	6.76	999.00	0.00	169.1 (2-Lane)
1.200	9.05	999.00	9.05	999.00	0.00	226.2 (1-Lane)
1.300	5.22	999.00	5.22	999.00	0.00	130.4 (2-Lane)
1.300	6.98	999.00	6.98	999.00	0.00	174.4 (1-Lane)
1.400	4.55	999.00	4.55	999.00	0.00	113.7 (2-Lane)
1.400	6.08	999.00	6.08	999.00	0.00	152.1 (1-Lane)
1.500	4.41	999.00	4.41	999.00	0.00	110.1 (2-Lane)
1.500	5.89	999.00	5.89	999.00	0.00	147.3 (1-Lane)
1.600	4.55	999.00	4.55	999.00	0.00	113.7 (2-Lane)
1.600	6.08	999.00	6.08	999.00	0.00	152.1 (1-Lane)
1.700	5.22	999.00	5.22	999.00	0.00	130.4 (2-Lane)
1.700	6.98	999.00	6.98	999.00	0.00	174.4 (1-Lane)
1.800	6.76	999.00	6.76	999.00	0.00	169.1 (2-Lane)
1.800	9.05	999.00	9.05	999.00	0.00	226.2 (1-Lane)
1.900	12.22	999.00	12.22	999.00	0.00	305.5 (2-Lane)
1.900	16.34	999.00	16.34	999.00	0.00	408.5 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2023

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: 3

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	54.42	0.00	40.92	0.00	47.42	0.00	35.65	0.00
1.100	48.4	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	31.0	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	20.6	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00

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1.400	10.3	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01
1.600	-10.3	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35
1.700	-20.6	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70
1.800	-31.0	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04
1.900	-41.3	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38
1.948	-46.2	-13.8	-54.12	0.00	-40.69	0.00	-47.15	0.00	-35.45
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-OPER

Rating Live Load:

3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.8	47.7	161.5	-185.2	137.8 (2-Lane)
1.300	105.6	47.7	164.3	-188.0	140.6 (1-Lane)
1.400	64.2	32.1	96.3	-108.2	84.5 (2-Lane)
1.400	65.1	32.1	97.2	-109.1	85.4 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.2	32.1	96.3	-84.5	108.2 (2-Lane)
1.600	65.1	32.1	97.3	-85.4	109.1 (1-Lane)
1.700	102.8	47.7	161.5	-137.8	185.2 (2-Lane)
1.700	105.6	47.7	164.3	-140.6	188.0 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-OPER

Rating Live Load:

3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	282.28	3.20	0.00	80.0 (2-Lane)
1.048	323.98	3.67	0.00	91.9 (1-Lane)
1.100	106.48	3.96	0.00	98.9 (2-Lane)
1.100	122.21	4.54	0.00	113.6 (1-Lane)
1.200	32.29	3.80	0.00	95.1 (2-Lane)
1.200	37.06	4.36	0.00	109.1 (1-Lane)
1.300	15.53	3.65	0.00	91.4 (2-Lane)
1.300	18.09	4.28	0.00	107.0 (1-Lane)
1.400	6.07	2.72	0.00	68.0 (2-Lane)
1.400	7.03	3.15	0.00	78.8 (1-Lane)
1.500	3.69	3.69	0.00	92.3 (2-Lane)
1.500	4.24	4.24	0.00	106.0 (1-Lane)
1.600	2.72	6.07	0.00	68.0 (2-Lane)
1.600	3.15	7.03	0.00	78.9 (1-Lane)
1.700	3.65	15.53	0.00	91.4 (2-Lane)
1.700	4.28	18.09	0.00	107.0 (1-Lane)
1.800	3.80	32.29	0.00	95.1 (2-Lane)
1.800	4.36	37.06	0.00	109.1 (1-Lane)
1.900	4.28	107.29	0.00	107.1 (2-Lane)
1.900	4.92	123.14	0.00	122.9 (1-Lane)
1.948	3.41	259.33	0.00	85.3 (2-Lane)
1.948	3.92	297.65	0.00	97.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	468.8	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	615.3	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	703.2	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	732.5	109.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	703.2	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	615.3	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	468.8	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	263.7	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.50	999.00	10.50	999.00	0.00	420.1 (2-Lane)
1.100	14.05	999.00	14.05	999.00	0.00	561.8 (1-Lane)
1.200	6.05	999.00	6.05	999.00	0.00	242.2 (2-Lane)
1.200	8.10	999.00	8.10	999.00	0.00	323.9 (1-Lane)
1.300	4.55	999.00	4.55	999.00	0.00	182.0 (2-Lane)
1.300	6.09	999.00	6.09	999.00	0.00	243.4 (1-Lane)
1.400	4.03	999.00	4.03	999.00	0.00	161.1 (2-Lane)
1.400	5.39	999.00	5.39	999.00	0.00	215.4 (1-Lane)
1.500	4.06	999.00	4.06	999.00	0.00	162.2 (2-Lane)
1.500	5.42	999.00	5.42	999.00	0.00	217.0 (1-Lane)
1.600	4.03	999.00	4.03	999.00	0.00	161.1 (2-Lane)
1.600	5.39	999.00	5.39	999.00	0.00	215.4 (1-Lane)
1.700	4.55	999.00	4.55	999.00	0.00	182.0 (2-Lane)
1.700	6.09	999.00	6.09	999.00	0.00	243.4 (1-Lane)
1.800	6.05	999.00	6.05	999.00	0.00	242.2 (2-Lane)

1.800	8.10	999.00	8.10	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00 323.9 (1-Lane)
1.900	10.35	999.00	10.35	999.00	0.00 414.2 (2-Lane)
1.900	13.85	999.00	13.85	999.00	0.00 553.9 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	LL	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	65.68	0.00	49.39	0.00	57.23	0.00	43.03	0.00
1.100	48.4	6.2	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	31.0	4.6	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	20.6	3.1	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	10.3	1.5	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-10.3	-1.5	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-20.6	-3.1	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-31.0	-4.6	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-41.3	-6.2	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.948	-46.2	-13.8	-65.19	0.00	-49.02	0.00	-56.80	0.00	-42.71	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3S2

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	100.1	47.7	158.8	-182.5	135.0 (2-Lane)
1.300	103.4	47.7	162.1	-185.8	138.4 (1-Lane)
1.400	61.4	32.1	93.5	-105.4	81.6 (2-Lane)
1.400	62.6	32.1	94.7	-106.6	82.8 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	61.4	32.1	93.5	-81.6	105.4 (2-Lane)
1.600	62.6	32.1	94.7	-82.9	106.6 (1-Lane)
1.700	100.1	47.7	158.8	-135.0	182.5 (2-Lane)
1.700	103.4	47.7	162.1	-138.4	185.8 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	282.28	2.65	0.00	106.1 (2-Lane)

1.048	323.98	3.05	0.00	121.8 (1-Lane)
1.100	106.48	3.35	0.00	134.2 (2-Lane)
1.100	122.21	3.85	0.00	154.0 (1-Lane)
1.200	32.29	3.40	0.00	136.1 (2-Lane)
1.200	37.06	3.91	0.00	156.2 (1-Lane)
1.300	15.30	3.44	0.00	137.5 (2-Lane)
1.300	17.88	4.04	0.00	161.7 (1-Lane)
1.400	6.41	2.68	0.00	107.0 (2-Lane)
1.400	7.44	3.12	0.00	124.7 (1-Lane)
1.500	4.12	4.12	0.00	165.0 (2-Lane)
1.500	4.73	4.73	0.00	189.4 (1-Lane)
1.600	2.68	6.41	0.00	107.1 (2-Lane)
1.600	3.12	7.44	0.00	124.7 (1-Lane)
1.700	3.44	15.30	0.00	137.5 (2-Lane)
1.700	4.04	17.88	0.00	161.7 (1-Lane)
1.800	3.40	32.29	0.00	136.1 (2-Lane)
1.800	3.91	37.06	0.00	156.2 (1-Lane)
1.900	3.63	107.29	0.00	145.2 (2-Lane)
1.900	4.17	123.14	0.00	166.6 (1-Lane)
1.948	2.83	259.33	0.00	113.3 (2-Lane)
1.948	3.25	297.65	0.00	130.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	468.8	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	615.3	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	703.2	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	732.5	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	703.2	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	615.3	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	468.8	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	263.7	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.24	999.00	12.24	999.00	0.00	489.5 (2-Lane)
1.100	16.37	999.00	16.37	999.00	0.00	654.6 (1-Lane)
1.200	7.04	999.00	7.04	999.00	0.00	281.6 (2-Lane)
1.200	9.41	999.00	9.41	999.00	0.00	376.6 (1-Lane)
1.300	5.53	999.00	5.53	999.00	0.00	221.2 (2-Lane)
1.300	7.39	999.00	7.39	999.00	0.00	295.8 (1-Lane)
1.400	5.16	999.00	5.16	999.00	0.00	206.3 (2-Lane)
1.400	6.90	999.00	6.90	999.00	0.00	275.9 (1-Lane)
1.500	4.81	999.00	4.81	999.00	0.00	192.3 (2-Lane)
1.500	6.43	999.00	6.43	999.00	0.00	257.2 (1-Lane)
1.600	5.16	999.00	5.16	999.00	0.00	206.3 (2-Lane)
1.600	6.90	999.00	6.90	999.00	0.00	275.9 (1-Lane)
1.700	5.53	999.00	5.53	999.00	0.00	221.2 (2-Lane)
1.700	7.39	999.00	7.39	999.00	0.00	295.8 (1-Lane)
1.800	7.04	999.00	7.04	999.00	0.00	281.6 (2-Lane)
1.800	9.41	999.00	9.41	999.00	0.00	376.6 (1-Lane)
1.900	12.06	999.00	12.06	999.00	0.00	482.6 (2-Lane)
1.900	16.14	999.00	16.14	999.00	0.00	645.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	56.35	0.00	42.37	0.00	49.10	0.00	36.91	0.00
1.100	48.4	6.2	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	31.0	4.6	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	20.6	3.1	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	10.3	1.5	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-10.3	-1.5	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-20.6	-3.1	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00
1.800	-31.0	-4.6	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90	0.00
1.900	-41.3	-6.2	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80	0.00
1.948	-46.2	-13.8	-55.91	0.00	-42.04	0.00	-48.71	0.00	-36.63	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: 3-3

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	99.7	47.7	158.4	-182.1	134.7 (2-Lane)
1.300	102.4	47.7	161.1	-184.8	137.3 (1-Lane)
1.400	61.5	32.1	93.6	-105.5	81.7 (2-Lane)
1.400	62.2	32.1	94.3	-106.2	82.4 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)

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1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	61.5	32.1	93.6	-81.8	105.5 (2-Lane)
1.600	62.2	32.1	94.3	-82.5	106.2 (1-Lane)
1.700	99.7	47.7	158.4	-134.7	182.1 (2-Lane)
1.700	102.4	47.7	161.1	-137.3	184.8 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	342.77	3.09	0.00	123.7 (2-Lane)
1.048	393.41	3.55	0.00	142.0 (1-Lane)
1.100	129.29	3.91	0.00	156.3 (2-Lane)
1.100	148.39	4.49	0.00	179.4 (1-Lane)
1.200	39.21	3.96	0.00	158.3 (2-Lane)
1.200	45.00	4.54	0.00	181.7 (1-Lane)
1.300	18.54	4.01	0.00	160.4 (2-Lane)
1.300	21.59	4.69	0.00	187.8 (1-Lane)
1.400	7.25	3.12	0.00	124.8 (2-Lane)
1.400	8.38	3.61	0.00	144.4 (1-Lane)
1.500	4.43	4.43	0.00	177.2 (2-Lane)
1.500	5.09	5.09	0.00	203.4 (1-Lane)
1.600	3.12	7.25	0.00	124.8 (2-Lane)
1.600	3.61	8.38	0.00	144.4 (1-Lane)
1.700	4.01	18.54	0.00	160.4 (2-Lane)
1.700	4.69	21.59	0.00	187.8 (1-Lane)
1.800	3.96	39.21	0.00	158.3 (2-Lane)
1.800	4.54	45.00	0.00	181.7 (1-Lane)
1.900	4.23	130.28	0.00	169.2 (2-Lane)
1.900	4.85	149.53	0.00	194.1 (1-Lane)
1.948	3.30	314.90	0.00	132.1 (2-Lane)
1.948	3.79	361.43	0.00	151.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2041

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL		LL	
	1.25	1.25	1.35		1.35	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	468.8	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	615.3	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	703.2	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	732.5	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	703.2	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	615.3	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	468.8	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	263.7	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
 Rating Type: I-OPER
 Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
 Rating Type: I-OPER
 Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	11.22	999.00	11.22	999.00	0.00	302.9 (2-Lane)
1.100	15.01	999.00	15.01	999.00	0.00	405.1 (1-Lane)
1.200	6.10	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.200	8.16	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.300	4.69	999.00	4.69	999.00	0.00	126.5 (2-Lane)
1.300	6.27	999.00	6.27	999.00	0.00	169.2 (1-Lane)
1.400	4.03	999.00	4.03	999.00	0.00	108.7 (2-Lane)
1.400	5.39	999.00	5.39	999.00	0.00	145.4 (1-Lane)
1.500	3.87	999.00	3.87	999.00	0.00	104.5 (2-Lane)
1.500	5.18	999.00	5.18	999.00	0.00	139.8 (1-Lane)
1.600	4.03	999.00	4.03	999.00	0.00	108.7 (2-Lane)
1.600	5.39	999.00	5.39	999.00	0.00	145.4 (1-Lane)
1.700	4.69	999.00	4.69	999.00	0.00	126.5 (2-Lane)
1.700	6.27	999.00	6.27	999.00	0.00	169.2 (1-Lane)
1.800	6.10	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.800	8.16	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.900	11.06	999.00	11.06	999.00	0.00	298.7 (2-Lane)
1.900	14.79	999.00	14.79	999.00	0.00	399.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
 Rating Type: I-OPER
 Rating Live Load: SU4

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	60.03	0.00	45.14	0.00	52.30	0.00	39.33	0.00
1.100	48.4	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	31.0	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	20.6	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	10.3	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-10.3	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-20.6	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00

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1.800	-31.0	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-41.3	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.948	-46.2	-13.8	-59.70	0.00	-44.89	0.00	-52.02	0.00	-39.11	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-OPER

Rating Live Load:

SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	104.1	47.7	162.8	-186.5	139.1 (2-Lane)
1.300	107.3	47.7	166.0	-189.7	142.2 (1-Lane)
1.400	65.4	32.1	97.5	-109.4	85.7 (2-Lane)
1.400	66.6	32.1	98.7	-110.6	86.8 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	65.4	32.1	97.5	-85.7	109.4 (2-Lane)
1.600	66.6	32.1	98.7	-86.8	110.6 (1-Lane)
1.700	104.1	47.7	162.8	-139.1	186.5 (2-Lane)
1.700	107.3	47.7	166.0	-142.2	189.7 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G11

Rating Type:

I-OPER

Rating Live Load:

SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	282.28	2.90	0.00	78.4 (2-Lane)
1.048	323.98	3.33	0.00	89.9 (1-Lane)
1.100	106.48	3.58	0.00	96.7 (2-Lane)
1.100	122.21	4.11	0.00	111.0 (1-Lane)
1.200	29.78	3.43	0.00	92.6 (2-Lane)
1.200	34.18	3.94	0.00	106.3 (1-Lane)
1.300	13.70	3.31	0.00	89.5 (2-Lane)
1.300	15.99	3.89	0.00	105.0 (1-Lane)
1.400	5.34	2.46	0.00	66.4 (2-Lane)
1.400	6.19	2.86	0.00	77.3 (1-Lane)
1.500	3.27	3.27	0.00	88.1 (2-Lane)
1.500	3.75	3.75	0.00	101.2 (1-Lane)
1.600	2.46	5.34	0.00	66.4 (2-Lane)
1.600	2.86	6.19	0.00	77.3 (1-Lane)
1.700	3.31	13.70	0.00	89.5 (2-Lane)
1.700	3.89	15.99	0.00	105.0 (1-Lane)
1.800	3.43	29.78	0.00	92.6 (2-Lane)
1.800	3.94	34.18	0.00	106.3 (1-Lane)
1.900	3.88	107.29	0.00	104.7 (2-Lane)
1.900	4.45	123.14	0.00	120.2 (1-Lane)
1.948	3.09	259.33	0.00	83.5 (2-Lane)
1.948	3.55	297.65	0.00	95.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	LL	LL	LL				
			1.35		1.35					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	468.8	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	615.3	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	703.2	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	732.5	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	703.2	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	615.3	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	468.8	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	263.7	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2049

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU5

Moment							
Span	Rating Factor		Rating Value		Load Resistance (tons)		
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	10.11	999.00	10.11	999.00	0.00	313.4	(2-Lane)
1.100	13.52	999.00	13.52	999.00	0.00	419.1	(1-Lane)
1.200	5.53	999.00	5.53	999.00	0.00	171.4	(2-Lane)
1.200	7.39	999.00	7.39	999.00	0.00	229.2	(1-Lane)
1.300	4.23	999.00	4.23	999.00	0.00	131.0	(2-Lane)
1.300	5.65	999.00	5.65	999.00	0.00	175.3	(1-Lane)
1.400	3.65	999.00	3.65	999.00	0.00	113.0	(2-Lane)
1.400	4.88	999.00	4.88	999.00	0.00	151.2	(1-Lane)
1.500	3.55	999.00	3.55	999.00	0.00	110.0	(2-Lane)
1.500	4.74	999.00	4.74	999.00	0.00	147.1	(1-Lane)
1.600	3.65	999.00	3.65	999.00	0.00	113.0	(2-Lane)
1.600	4.88	999.00	4.88	999.00	0.00	151.2	(1-Lane)
1.700	4.23	999.00	4.23	999.00	0.00	131.0	(2-Lane)
1.700	5.65	999.00	5.65	999.00	0.00	175.3	(1-Lane)
1.800	5.53	999.00	5.53	999.00	0.00	171.4	(2-Lane)
1.800	7.39	999.00	7.39	999.00	0.00	229.2	(1-Lane)
1.900	9.97	999.00	9.97	999.00	0.00	309.0	(2-Lane)
1.900	13.33	999.00	13.33	999.00	0.00	413.2	(1-Lane)

1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	66.77	0.00	50.20	0.00	58.17	0.00	43.74	0.00
1.100	48.4	6.2	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	31.0	4.6	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	20.6	3.1	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	10.3	1.5	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-10.3	-1.5	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-20.6	-3.1	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-31.0	-4.6	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-41.3	-6.2	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.948	-46.2	-13.8	-66.39	0.00	-49.92	0.00	-57.84	0.00	-43.49	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU5

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	104.8	47.7	163.5	-187.2	139.8 (2-Lane)
1.300	104.8	47.7	163.5	-187.2	139.8 (1-Lane)
1.400	66.0	32.1	98.1	-110.0	86.3 (2-Lane)
1.400	67.4	32.1	99.6	-111.4	87.7 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	66.0	32.1	98.1	-86.3	110.0 (2-Lane)
1.600	67.4	32.1	99.6	-87.7	111.4 (1-Lane)
1.700	104.8	47.7	163.5	-139.8	187.2 (2-Lane)
1.700	104.8	47.7	163.5	-143.3	190.8 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	282.28	2.61	0.00	80.9 (2-Lane)
1.048	323.98	2.99	0.00	92.9 (1-Lane)
1.100	106.48	3.23	0.00	100.1 (2-Lane)
1.100	122.21	3.70	0.00	114.9 (1-Lane)

1.200	29.78	3.11	0.00	96.3 (2-Lane)
1.200	34.18	3.57	0.00	110.5 (1-Lane)
1.300	12.86	3.04	0.00	94.1 (2-Lane)
1.300	15.04	3.57	0.00	110.8 (1-Lane)
1.400	5.14	2.28	0.00	70.7 (2-Lane)
1.400	5.98	2.66	0.00	82.5 (1-Lane)
1.500	3.05	3.05	0.00	94.6 (2-Lane)
1.500	3.50	3.50	0.00	108.5 (1-Lane)
1.600	2.28	5.14	0.00	70.7 (2-Lane)
1.600	2.66	5.98	0.00	82.5 (1-Lane)
1.700	3.04	12.86	0.00	94.1 (2-Lane)
1.700	3.57	15.04	0.00	110.8 (1-Lane)
1.800	3.11	29.78	0.00	96.3 (2-Lane)
1.800	3.57	34.18	0.00	110.5 (1-Lane)
1.900	3.49	107.29	0.00	108.3 (2-Lane)
1.900	4.01	123.14	0.00	124.3 (1-Lane)
1.948	2.78	259.33	0.00	86.2 (2-Lane)
1.948	3.19	297.65	0.00	99.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00
1.200	468.8	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.300	615.3	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.400	703.2	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.500	732.5	109.7	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00
1.600	703.2	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.700	615.3	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.800	468.8	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.900	263.7	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.58	999.00	0.00	332.9 (2-Lane)
1.100	12.81	999.00	0.00	445.2 (1-Lane)
1.200	5.04	999.00	0.00	175.2 (2-Lane)
1.200	6.74	999.00	0.00	234.3 (1-Lane)
1.300	3.82	999.00	0.00	132.7 (2-Lane)
1.300	5.11	999.00	0.00	177.5 (1-Lane)
1.400	3.32	999.00	0.00	115.3 (2-Lane)
1.400	4.44	999.00	0.00	154.1 (1-Lane)
1.500	3.18	999.00	0.00	110.6 (2-Lane)
1.500	4.26	999.00	0.00	147.9 (1-Lane)
1.600	3.32	999.00	0.00	115.3 (2-Lane)
1.600	4.44	999.00	0.00	154.1 (1-Lane)
1.700	3.82	999.00	0.00	132.7 (2-Lane)
1.700	5.11	999.00	0.00	177.5 (1-Lane)
1.800	5.04	999.00	0.00	175.2 (2-Lane)
1.800	6.74	999.00	0.00	234.3 (1-Lane)
1.900	9.44	999.00	0.00	328.2 (2-Lane)
1.900	12.63	999.00	0.00	438.9 (1-Lane)
1.948	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.048	50.1	7.0	70.75	0.00	53.20	0.00	61.64	0.00	46.35
1.100	48.4	6.2	65.92	0.00	49.56	0.00	57.43	0.00	43.18
1.200	31.0	4.6	56.71	0.00	42.64	0.00	49.41	0.00	37.15
1.300	20.6	3.1	47.50	0.00	35.71	0.00	41.39	0.00	31.12
1.400	10.3	1.5	38.29	0.00	28.79	0.00	33.36	0.00	25.08
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05
1.600	-10.3	-1.5	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08
1.700	-20.6	-3.1	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12
1.800	-31.0	-4.6	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15
1.900	-41.3	-6.2	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18
1.948	-46.2	-13.8	-70.32	0.00	-52.88	0.00	-61.27	0.00	-46.07
2.000	-51.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU6

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.5	47.7	161.2	-184.9	137.5 (2-Lane)
1.300	106.4	47.7	165.1	-188.9	141.4 (1-Lane)
1.400	64.3	32.1	96.4	-108.3	84.6 (2-Lane)
1.400	66.0	32.1	98.1	-110.0	86.2 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.3	32.1	96.5	-84.6	108.3 (2-Lane)
1.600	66.0	32.1	98.1	-86.2	110.0 (1-Lane)
1.700	102.5	47.7	161.2	-137.5	184.9 (2-Lane)

1.700	106.4	47.7	165.1	-141.4	188.9 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	417.28	2.46	0.00	85.6 (2-Lane)
1.048	478.93	2.83	0.00	98.2 (1-Lane)
1.100	180.05	3.06	0.00	106.3 (2-Lane)
1.100	206.65	3.51	0.00	122.0 (1-Lane)
1.200	37.63	2.97	0.00	103.3 (2-Lane)
1.200	43.19	3.41	0.00	118.5 (1-Lane)
1.300	14.15	2.89	0.00	100.6 (2-Lane)
1.300	16.59	3.42	0.00	118.7 (1-Lane)
1.400	5.22	2.21	0.00	76.8 (2-Lane)
1.400	6.08	2.59	0.00	89.8 (1-Lane)
1.500	3.11	3.11	0.00	107.9 (2-Lane)
1.500	3.56	3.56	0.00	123.8 (1-Lane)
1.600	2.21	5.22	0.00	76.8 (2-Lane)
1.600	2.59	6.08	0.00	89.8 (1-Lane)
1.700	2.89	14.15	0.00	100.6 (2-Lane)
1.700	3.42	16.59	0.00	118.7 (1-Lane)
1.800	2.97	37.63	0.00	103.3 (2-Lane)
1.800	3.41	43.19	0.00	118.5 (1-Lane)
1.900	3.31	181.42	0.00	115.0 (2-Lane)
1.900	3.80	208.23	0.00	132.0 (1-Lane)
1.948	2.63	383.36	0.00	91.2 (2-Lane)
1.948	3.01	440.00	0.00	104.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	351.34 R	0.00	264.16	0.00
1.200	468.8	70.2	633.71 R	0.00	476.47	0.00
1.300	615.3	92.1	847.12 R	0.00	636.93	0.00
1.400	703.2	105.3	958.29 R	0.00	720.52	0.00
1.500	732.5	109.7	992.18 R	0.00	746.00	0.00
1.600	703.2	105.3	958.29 R	0.00	720.52	0.00
1.700	615.3	92.1	847.12 R	0.00	636.93	0.00
1.800	468.8	70.2	633.71 R	0.00	476.47	0.00
1.900	263.7	39.5	351.34 R	0.00	264.16	0.00
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	9.15	999.00	9.15	999.00	354.7 (2-Lane)
1.100	12.24	999.00	12.24	999.00	474.4 (1-Lane)
1.200	4.82	999.00	4.82	999.00	186.8 (2-Lane)
1.200	6.45	999.00	6.45	999.00	249.8 (1-Lane)
1.300	3.55	999.00	3.55	999.00	137.5 (2-Lane)
1.300	4.74	999.00	4.74	999.00	183.9 (1-Lane)
1.400	3.07	999.00	3.07	999.00	119.1 (2-Lane)
1.400	4.11	999.00	4.11	999.00	159.2 (1-Lane)
1.500	2.93	999.00	2.93	999.00	113.7 (2-Lane)
1.500	3.92	999.00	3.92	999.00	152.0 (1-Lane)
1.600	3.07	999.00	3.07	999.00	119.1 (2-Lane)
1.600	4.11	999.00	4.11	999.00	159.2 (1-Lane)
1.700	3.55	999.00	3.55	999.00	137.5 (2-Lane)
1.700	4.74	999.00	4.74	999.00	183.9 (1-Lane)
1.800	4.82	999.00	4.82	999.00	186.8 (2-Lane)
1.800	6.45	999.00	6.45	999.00	249.8 (1-Lane)
1.900	9.03	999.00	9.03	999.00	349.7 (2-Lane)
1.900	12.07	999.00	12.07	999.00	467.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER

Rating Live Load: SU7

Span	Gamma		(2-Lane)		(1-Lane)	
	DC 1.25	DW 1.25	LL 1.35	LL 1.35	LL 1.35	LL 1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	74.36	0.00	55.91	0.00
1.100	48.4	6.2	68.97	0.00	51.86	0.00
1.200	31.0	4.6	58.70	0.00	44.14	0.00
1.300	20.6	3.1	48.43	0.00	36.42	0.00
1.400	10.3	1.5	38.16	0.00	28.70	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00
1.600	-10.3	-1.5	-38.16	0.00	-28.70	0.00
1.700	-20.6	-3.1	-48.43	0.00	-36.42	0.00
1.800	-31.0	-4.6	-58.70	0.00	-44.14	0.00
1.900	-41.3	-6.2	-68.97	0.00	-51.86	0.00
1.948	-46.2	-13.8	-73.88	0.00	-55.55	0.00
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	100.6	47.7	159.3	-183.0	135.6 (2-Lane)
1.300	104.8	47.7	163.5	-187.2	139.8 (1-Lane)
1.400	62.5	32.1	94.6	-106.5	82.8 (2-Lane)
1.400	64.4	32.1	96.5	-108.3	84.6 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	62.5	32.1	94.6	-82.8	106.5 (2-Lane)
1.600	64.4	32.1	96.5	-84.6	108.3 (1-Lane)
1.700	100.6	47.7	159.3	-135.6	183.0 (2-Lane)
1.700	104.8	47.7	163.5	-139.8	187.2 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-OPER
Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	417.28	2.34	0.00	90.8 (2-Lane)
1.048	478.93	2.69	0.00	104.2 (1-Lane)
1.100	203.92	2.92	0.00	113.3 (2-Lane)
1.100	234.05	3.36	0.00	130.0 (1-Lane)
1.200	49.68	2.87	0.00	111.3 (2-Lane)
1.200	57.02	3.30	0.00	127.7 (1-Lane)
1.300	16.07	2.80	0.00	108.5 (2-Lane)
1.300	18.87	3.31	0.00	128.3 (1-Lane)
1.400	5.44	2.17	0.00	84.0 (2-Lane)
1.400	6.35	2.54	0.00	98.6 (1-Lane)
1.500	3.19	3.19	0.00	123.5 (2-Lane)
1.500	3.66	3.66	0.00	141.8 (1-Lane)
1.600	2.17	5.44	0.00	84.1 (2-Lane)
1.600	2.54	6.35	0.00	98.6 (1-Lane)
1.700	2.80	16.07	0.00	108.5 (2-Lane)
1.700	3.31	18.87	0.00	128.3 (1-Lane)
1.800	2.87	49.68	0.00	111.3 (2-Lane)
1.800	3.30	57.02	0.00	127.7 (1-Lane)
1.900	3.16	205.48	0.00	122.6 (2-Lane)
1.900	3.63	235.84	0.00	140.7 (1-Lane)
1.948	2.50	383.36	0.00	96.8 (2-Lane)
1.948	2.87	440.00	0.00	111.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type:		I-LEGL				
Rating Live Load:		3				
Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL 1.80		LL 1.80	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	346.03 R	260.17	258.74 R	194.54
1.200	468.8	70.2	602.06 R	452.67	450.18 R	338.48
1.300	615.3	92.1	768.09 R	577.51	574.33 R	431.83
1.400	703.2	105.3	863.15 R	648.98	645.41 R	485.27
1.500	732.5	109.7	880.89 R	662.32	658.67 R	495.24
1.600	703.2	105.3	863.15 R	648.98	645.41 R	485.27
1.700	615.3	92.1	768.09 R	577.51	574.33 R	431.83
1.800	468.8	70.2	602.06 R	452.67	450.18 R	338.48
1.900	263.7	39.5	346.03 R	260.17	258.74 R	194.54
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Bending Top	Bending Bott.	Negative Bending Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.30	999.00	9.30	999.00	0.00	232.4 (2-Lane)
1.100	12.43	999.00	12.43	999.00	0.00	310.8 (1-Lane)
1.200	5.07	999.00	5.07	999.00	0.00	126.8 (2-Lane)
1.200	6.78	999.00	6.78	999.00	0.00	169.6 (1-Lane)
1.300	3.91	999.00	3.91	999.00	0.00	97.8 (2-Lane)
1.300	5.23	999.00	5.23	999.00	0.00	130.8 (1-Lane)
1.400	3.41	999.00	3.41	999.00	0.00	85.3 (2-Lane)
1.400	4.56	999.00	4.56	999.00	0.00	114.0 (1-Lane)
1.500	3.30	999.00	3.30	999.00	0.00	82.6 (2-Lane)
1.500	4.42	999.00	4.42	999.00	0.00	110.5 (1-Lane)
1.600	3.41	999.00	3.41	999.00	0.00	85.3 (2-Lane)
1.600	4.56	999.00	4.56	999.00	0.00	114.0 (1-Lane)
1.700	3.91	999.00	3.91	999.00	0.00	97.8 (2-Lane)
1.700	5.23	999.00	5.23	999.00	0.00	130.8 (1-Lane)
1.800	5.07	999.00	5.07	999.00	0.00	126.8 (2-Lane)
1.800	6.78	999.00	6.78	999.00	0.00	169.6 (1-Lane)
1.900	9.16	999.00	9.16	999.00	0.00	229.1 (2-Lane)
1.900	12.26	999.00	12.26	999.00	0.00	306.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.80 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	72.56	54.56	63.22	47.54
1.100	48.4	6.2	67.93	51.08	59.19	44.50
1.200	31.0	4.6	59.10	44.43	51.49	38.71
1.300	20.6	3.1	50.26	37.79	43.79	32.93
1.400	10.3	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-10.3	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-20.6	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-31.0	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-41.3	-6.2	-67.93	-51.08	-59.19	-44.50
1.948	-46.2	-13.8	-72.16	-54.25	-62.87	-47.27
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	106.3	47.7	165.0	-188.7	141.2 (2-Lane)
1.300	110.1	47.7	168.8	-192.5	145.1 (1-Lane)
1.400	67.7	32.1	99.8	-111.6	87.9 (2-Lane)
1.400	69.3	32.1	101.4	-113.2	89.5 (1-Lane)
1.500	39.8	50.6	90.4	-90.4	90.4 (2-Lane)
1.500	39.8	50.6	90.4	-90.4	90.4 (1-Lane)
1.600	67.7	32.1	99.8	-87.9	111.6 (2-Lane)
1.600	69.3	32.1	101.4	-89.5	113.2 (1-Lane)
1.700	106.3	47.7	165.0	-141.2	188.7 (2-Lane)
1.700	110.1	47.7	168.8	-145.1	192.5 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	211.71	2.40	0.00	60.0 (2-Lane)
1.048	242.99	2.76	0.00	68.9 (1-Lane)
1.100	79.86	2.97	0.00	74.2 (2-Lane)
1.100	91.65	3.41	0.00	85.2 (1-Lane)
1.200	24.22	2.85	0.00	71.3 (2-Lane)
1.200	27.80	3.27	0.00	81.8 (1-Lane)

1.300	11.86	2.81	0.00	70.3 (2-Lane)
1.300	13.90	3.31	0.00	82.8 (1-Lane)
1.400	4.70	2.12	0.00	53.1 (2-Lane)
1.400	5.47	2.48	0.00	62.0 (1-Lane)
1.500	2.77	2.77	0.00	69.4 (2-Lane)
1.500	3.18	3.18	0.00	79.6 (1-Lane)
1.600	2.12	4.70	0.00	53.1 (2-Lane)
1.600	2.48	5.47	0.00	62.0 (1-Lane)
1.700	2.81	11.86	0.00	70.3 (2-Lane)
1.700	3.31	13.90	0.00	82.8 (1-Lane)
1.800	2.85	24.22	0.00	71.3 (2-Lane)
1.800	3.27	27.80	0.00	81.8 (1-Lane)
1.900	3.21	80.47	0.00	80.3 (2-Lane)
1.900	3.69	92.36	0.00	92.2 (1-Lane)
1.948	2.56	194.50	0.00	64.0 (2-Lane)
1.948	2.94	223.23	0.00	73.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.048	103.8	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	153.79 R		115.63	114.99 R		86.46
1.200	468.8	70.2	267.58 R		201.19	200.08 R		150.44
1.300	615.3	92.1	341.37 R		256.67	255.26 R		191.92
1.400	703.2	105.3	383.62 R		288.44	286.85 R		215.67
1.500	732.5	109.7	391.51 R		294.36	292.74 R		220.11
1.600	703.2	105.3	383.62 R		288.44	286.85 R		215.67
1.700	615.3	92.1	341.37 R		256.67	255.26 R		191.92
1.800	468.8	70.2	267.58 R		201.19	200.08 R		150.44
1.900	263.7	39.5	153.79 R		115.63	114.99 R		86.46
1.948	137.6	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2075

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
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1.000	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6
1.100	3.0	2.7	-3.0	-2.7
1.200	3.1	2.9	-3.1	-2.9
1.300	3.3	3.0	-3.3	-3.0
1.400	3.4	3.0	-3.4	-3.0
1.500	3.4	3.0	-3.4	-3.0
1.600	3.4	3.0	-3.4	-3.0
1.700	3.3	3.0	-3.3	-3.0
1.800	3.1	2.9	-3.1	-2.9
1.900	3.0	2.7	-3.0	-2.7
1.948	2.9	2.7	-2.9	-2.7
2.000	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2076

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL S
Rating Live Load: 3

Service

9999999_20120831cy17_FlexuralRpt.txt						
Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	46.00	999.00	13.87	999.00	0.00	346.7 (2-Lane)
1.100	61.51	999.00	18.55	999.00	0.00	463.6 (1-Lane)
1.200	23.98	999.00	7.13	999.00	0.00	178.3 (2-Lane)
1.200	32.07	999.00	9.54	999.00	0.00	238.4 (1-Lane)
1.300	17.95	999.00	5.30	999.00	0.00	132.5 (2-Lane)
1.300	24.01	999.00	7.09	999.00	0.00	177.3 (1-Lane)
1.400	15.23	999.00	4.49	999.00	0.00	112.1 (2-Lane)
1.400	20.36	999.00	6.00	999.00	0.00	150.0 (1-Lane)
1.500	14.56	999.00	4.29	999.00	0.00	107.2 (2-Lane)
1.500	19.47	999.00	5.74	999.00	0.00	143.4 (1-Lane)
1.600	15.23	999.00	4.49	999.00	0.00	112.1 (2-Lane)
1.600	20.36	999.00	6.00	999.00	0.00	150.0 (1-Lane)
1.700	17.95	999.00	5.30	999.00	0.00	132.5 (2-Lane)
1.700	24.01	999.00	7.09	999.00	0.00	177.3 (1-Lane)
1.800	23.98	999.00	7.13	999.00	0.00	178.3 (2-Lane)
1.800	32.07	999.00	9.54	999.00	0.00	238.4 (1-Lane)
1.900	45.40	999.00	13.58	999.00	0.00	339.5 (2-Lane)
1.900	60.72	999.00	18.16	999.00	0.00	454.1 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2077
MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G11								
Rating Type:		I-LEGL								
Rating Live Load:		3S2								
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL			
			1.80				1.80			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00		0.00 R		0.00	
1.048	103.8	0.0	0.00 R		0.00		0.00 R		0.00	
1.100	218.4	39.5	408.35 R		307.03		305.33 R		229.57	
1.200	468.8	70.2	672.70 R		505.79		503.00 R		378.19	
1.300	615.3	92.1	880.54 R		662.06		658.41 R		495.04	
1.400	703.2	105.3	974.81 R		732.94		728.90 R		548.05	
1.500	732.5	109.7	956.79 R		719.39		715.43 R		537.91	
1.600	703.2	105.3	974.81 R		732.94		728.90 R		548.05	
1.700	615.3	92.1	880.54 R		662.06		658.41 R		495.04	
1.800	468.8	70.2	672.70 R		505.79		503.00 R		378.19	
1.900	263.7	39.5	408.35 R		307.03		305.33 R		229.57	
1.948	137.6	0.0	0.00 R		0.00		0.00 R		0.00	
2.000	0.0	0.0	0.00 R		0.00		0.00 R		0.00	

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2078
STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01						
Member I. D.		G11						
Rating Type:		I-LEGL						
Rating Live Load:		3S2						
Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2079
MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.88	999.00	7.88	999.00	0.00	315.1 (2-Lane)
1.100	10.53	999.00	10.53	999.00	0.00	421.4 (1-Lane)
1.200	4.54	999.00	4.54	999.00	0.00	181.6 (2-Lane)
1.200	6.07	999.00	6.07	999.00	0.00	242.9 (1-Lane)
1.300	3.41	999.00	3.41	999.00	0.00	136.5 (2-Lane)
1.300	4.57	999.00	4.57	999.00	0.00	182.6 (1-Lane)
1.400	3.02	999.00	3.02	999.00	0.00	120.8 (2-Lane)
1.400	4.04	999.00	4.04	999.00	0.00	161.6 (1-Lane)
1.500	3.04	999.00	3.04	999.00	0.00	121.7 (2-Lane)
1.500	4.07	999.00	4.07	999.00	0.00	162.7 (1-Lane)
1.600	3.02	999.00	3.02	999.00	0.00	120.8 (2-Lane)
1.600	4.04	999.00	4.04	999.00	0.00	161.6 (1-Lane)
1.700	3.41	999.00	3.41	999.00	0.00	136.5 (2-Lane)
1.700	4.57	999.00	4.57	999.00	0.00	182.6 (1-Lane)
1.800	4.54	999.00	4.54	999.00	0.00	181.6 (2-Lane)
1.800	6.07	999.00	6.07	999.00	0.00	242.9 (1-Lane)
1.900	7.77	999.00	7.77	999.00	0.00	310.6 (2-Lane)
1.900	10.39	999.00	10.39	999.00	0.00	415.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2080

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	87.58	65.85	76.31	57.37
1.100	48.4	6.2	80.16	60.27	69.85	52.52
1.200	31.0	4.6	66.03	49.65	57.53	43.26
1.300	20.6	3.1	52.36	39.37	45.62	34.30
1.400	10.3	1.5	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-10.3	-1.5	-40.67	-30.58	-35.43	-26.64
1.700	-20.6	-3.1	-52.36	-39.37	-45.62	-34.30
1.800	-31.0	-4.6	-66.03	-49.65	-57.53	-43.26
1.900	-41.3	-6.2	-80.16	-60.27	-69.85	-52.52
1.948	-46.2	-13.8	-86.93	-65.36	-75.74	-56.94
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2081

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)

1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.9	47.7	161.6	-185.3	137.9 (2-Lane)
1.300	107.3	47.7	165.9	-189.7	142.2 (1-Lane)
1.400	64.2	32.1	96.3	-108.2	84.4 (2-Lane)
1.400	66.1	32.1	98.2	-110.0	86.3 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.2	32.1	96.3	-84.4	108.2 (2-Lane)
1.600	66.1	32.1	98.2	-86.3	110.0 (1-Lane)
1.700	102.9	47.7	161.6	-137.9	185.3 (2-Lane)
1.700	107.3	47.7	165.9	-142.2	189.7 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2082

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	211.71	1.99	0.00	79.6 (2-Lane)
1.048	242.99	2.28	0.00	91.3 (1-Lane)
1.100	79.86	2.52	0.00	100.6 (2-Lane)
1.100	91.65	2.89	0.00	115.5 (1-Lane)
1.200	24.22	2.55	0.00	102.1 (2-Lane)
1.200	27.80	2.93	0.00	117.2 (1-Lane)
1.300	11.65	2.63	0.00	105.3 (2-Lane)
1.300	13.69	3.12	0.00	124.7 (1-Lane)
1.400	4.94	2.08	0.00	83.0 (2-Lane)
1.400	5.76	2.44	0.00	97.4 (1-Lane)
1.500	3.09	3.09	0.00	123.7 (2-Lane)
1.500	3.55	3.55	0.00	142.0 (1-Lane)
1.600	2.08	4.94	0.00	83.0 (2-Lane)
1.600	2.44	5.76	0.00	97.4 (1-Lane)
1.700	2.63	11.65	0.00	105.3 (2-Lane)
1.700	3.12	13.69	0.00	124.7 (1-Lane)
1.800	2.55	24.22	0.00	102.1 (2-Lane)
1.800	2.93	27.80	0.00	117.2 (1-Lane)
1.900	2.72	80.47	0.00	108.9 (2-Lane)
1.900	3.12	92.36	0.00	125.0 (1-Lane)
1.948	2.12	194.50	0.00	85.0 (2-Lane)
1.948	2.44	223.23	0.00	97.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2083

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00		0.00 R		0.00	
1.048	103.8	0.0	0.00 R		0.00		0.00 R		0.00	
1.100	218.4	39.5	181.49 R		136.46	135.70 R		102.03		
1.200	468.8	70.2	298.98 R		224.79	223.56 R		168.09		
1.300	615.3	92.1	391.35 R		294.25	292.63 R		220.02		
1.400	703.2	105.3	433.25 R		325.75	323.96 R		243.58		
1.500	732.5	109.7	425.24 R		319.73	317.97 R		239.07		
1.600	703.2	105.3	433.25 R		325.75	323.96 R		243.58		
1.700	615.3	92.1	391.35 R		294.25	292.63 R		220.02		
1.800	468.8	70.2	298.98 R		224.79	223.56 R		168.09		
1.900	263.7	39.5	181.49 R		136.46	135.70 R		102.03		
1.948	137.6	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2083

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2084

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	38.98	999.00	11.75	999.00	0.00	470.0 (2-Lane)
1.100	52.13	999.00	15.72	999.00	0.00	628.6 (1-Lane)
1.200	21.46	999.00	6.38	999.00	0.00	255.3 (2-Lane)
1.200	28.70	999.00	8.54	999.00	0.00	341.4 (1-Lane)
1.300	15.66	999.00	4.62	999.00	0.00	185.0 (2-Lane)
1.300	20.94	999.00	6.18	999.00	0.00	247.4 (1-Lane)
1.400	13.48	999.00	3.97	999.00	0.00	158.9 (2-Lane)
1.400	18.03	999.00	5.31	999.00	0.00	212.4 (1-Lane)
1.500	13.40	999.00	3.95	999.00	0.00	157.9 (2-Lane)
1.500	17.92	999.00	5.28	999.00	0.00	211.2 (1-Lane)
1.600	13.48	999.00	3.97	999.00	0.00	158.9 (2-Lane)
1.600	18.03	999.00	5.31	999.00	0.00	212.4 (1-Lane)
1.700	15.66	999.00	4.62	999.00	0.00	185.0 (2-Lane)
1.700	20.94	999.00	6.18	999.00	0.00	247.4 (1-Lane)
1.800	21.46	999.00	6.38	999.00	0.00	255.3 (2-Lane)
1.800	28.70	999.00	8.54	999.00	0.00	341.4 (1-Lane)
1.900	38.47	999.00	11.51	999.00	0.00	460.3 (2-Lane)
1.900	51.45	999.00	15.39	999.00	0.00	615.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL	LL	LL
	1.25	1.25	1.80	1.80				

9999999_20120831cy17_FlexuralRpt.txt										
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00		0.00 R		0.00	
1.048	103.8	0.0	0.00 R		0.00		0.00 R		0.00	
1.100	218.4	39.5	350.45 R		263.50	262.05 R			197.03	
1.200	468.8	70.2	578.51 R		434.97	432.57 R			325.24	
1.300	615.3	92.1	724.75 R		544.92	541.92 R			407.46	
1.400	703.2	105.3	761.27 R		572.38	569.23 R			427.99	
1.500	732.5	109.7	807.25 R		606.96	603.61 R			453.84	
1.600	703.2	105.3	761.27 R		572.38	569.23 R			427.99	
1.700	615.3	92.1	724.75 R		544.92	541.92 R			407.46	
1.800	468.8	70.2	578.51 R		434.97	432.57 R			325.24	
1.900	263.7	39.5	350.45 R		263.50	262.05 R			197.03	
1.948	137.6	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
Rating Type: I-LEGL
Rating Live Load: 3-3

Moment					
Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	9.18	999.00	9.18	999.00	367.1 (2-Lane)
1.100	12.27	999.00	12.27	999.00	491.0 (1-Lane)
1.200	5.28	999.00	5.28	999.00	211.2 (2-Lane)
1.200	7.06	999.00	7.06	999.00	282.5 (1-Lane)
1.300	4.15	999.00	4.15	999.00	165.9 (2-Lane)
1.300	5.55	999.00	5.55	999.00	221.8 (1-Lane)
1.400	3.87	999.00	3.87	999.00	154.7 (2-Lane)
1.400	5.17	999.00	5.17	999.00	206.9 (1-Lane)
1.500	3.61	999.00	3.61	999.00	144.2 (2-Lane)
1.500	4.82	999.00	4.82	999.00	192.9 (1-Lane)
1.600	3.87	999.00	3.87	999.00	154.7 (2-Lane)
1.600	5.17	999.00	5.17	999.00	206.9 (1-Lane)
1.700	4.15	999.00	4.15	999.00	165.9 (2-Lane)
1.700	5.55	999.00	5.55	999.00	221.8 (1-Lane)
1.800	5.28	999.00	5.28	999.00	211.2 (2-Lane)
1.800	7.06	999.00	7.06	999.00	282.5 (1-Lane)
1.900	9.05	999.00	9.05	999.00	361.9 (2-Lane)
1.900	12.10	999.00	12.10	999.00	484.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2088

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	75.13	56.49	65.46	49.22
1.100	48.4	6.2	68.80	51.73	59.94	45.07
1.200	31.0	4.6	56.79	42.70	49.48	37.20
1.300	20.6	3.1	44.77	33.66	39.01	29.33
1.400	10.3	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-10.3	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-20.6	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-31.0	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-41.3	-6.2	-68.80	-51.73	-59.94	-45.07
1.948	-46.2	-13.8	-74.55	-56.05	-64.95	-48.83
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3-3

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	102.8	47.7	161.5	-185.2	137.7 (2-Lane)
1.300	106.4	47.7	165.1	-188.8	141.4 (1-Lane)
1.400	64.7	32.1	96.8	-108.7	84.9 (2-Lane)
1.400	66.0	32.1	98.1	-110.0	86.2 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	64.7	32.1	96.8	-84.9	108.7 (2-Lane)
1.600	66.0	32.1	98.1	-86.2	110.0 (1-Lane)
1.700	102.8	47.7	161.5	-137.7	185.2 (2-Lane)
1.700	106.4	47.7	165.1	-141.4	188.8 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2090

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	257.07	2.32	0.00	92.8 (2-Lane)
1.048	295.06	2.66	0.00	106.5 (1-Lane)
1.100	96.97	2.93	0.00	117.2 (2-Lane)
1.100	111.30	3.36	0.00	134.6 (1-Lane)
1.200	29.41	2.97	0.00	118.7 (2-Lane)
1.200	33.75	3.41	0.00	136.3 (1-Lane)
1.300	14.14	3.08	0.00	123.1 (2-Lane)
1.300	16.54	3.62	0.00	144.9 (1-Lane)
1.400	5.60	2.43	0.00	97.2 (2-Lane)
1.400	6.51	2.83	0.00	113.3 (1-Lane)
1.500	3.32	3.32	0.00	132.9 (2-Lane)
1.500	3.81	3.81	0.00	152.6 (1-Lane)

1.600	2.43	5.60	0.00	97.2 (2-Lane)
1.600	2.83	6.51	0.00	113.3 (1-Lane)
1.700	3.08	14.14	0.00	123.1 (2-Lane)
1.700	3.62	16.54	0.00	144.9 (1-Lane)
1.800	2.97	29.41	0.00	118.7 (2-Lane)
1.800	3.41	33.75	0.00	136.3 (1-Lane)
1.900	3.17	97.71	0.00	126.9 (2-Lane)
1.900	3.64	112.15	0.00	145.6 (1-Lane)
1.948	2.48	236.18	0.00	99.1 (2-Lane)
1.948	2.84	271.07	0.00	113.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	155.76 R	117.11	116.46 R	87.57
1.200	468.8	70.2	257.12 R	193.32	192.25 R	144.55
1.300	615.3	92.1	322.11 R	242.19	240.85 R	181.09
1.400	703.2	105.3	338.34 R	254.39	252.99 R	190.22
1.500	732.5	109.7	358.78 R	269.76	268.27 R	201.71
1.600	703.2	105.3	338.34 R	254.39	252.99 R	190.22
1.700	615.3	92.1	322.11 R	242.19	240.85 R	181.09
1.800	468.8	70.2	257.12 R	193.32	192.25 R	144.55
1.900	263.7	39.5	155.76 R	117.11	116.46 R	87.57
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2091

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL S

Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	45.42	999.00	13.69	999.00	0.00	547.7 (2-Lane)
1.100	60.74	999.00	18.31	999.00	0.00	732.5 (1-Lane)
1.200	24.96	999.00	7.42	999.00	0.00	296.9 (2-Lane)
1.200	33.38	999.00	9.93	999.00	0.00	397.0 (1-Lane)
1.300	19.03	999.00	5.62	999.00	0.00	224.7 (2-Lane)
1.300	25.44	999.00	7.51	999.00	0.00	300.6 (1-Lane)
1.400	17.26	999.00	5.09	999.00	0.00	203.4 (2-Lane)
1.400	23.09	999.00	6.80	999.00	0.00	272.0 (1-Lane)
1.500	15.89	999.00	4.68	999.00	0.00	187.2 (2-Lane)
1.500	21.25	999.00	6.26	999.00	0.00	250.3 (1-Lane)
1.600	17.26	999.00	5.09	999.00	0.00	203.4 (2-Lane)
1.600	23.09	999.00	6.80	999.00	0.00	272.0 (1-Lane)
1.700	19.03	999.00	5.62	999.00	0.00	224.7 (2-Lane)
1.700	25.44	999.00	7.51	999.00	0.00	300.6 (1-Lane)
1.800	24.96	999.00	7.42	999.00	0.00	296.9 (2-Lane)
1.800	33.38	999.00	9.93	999.00	0.00	397.0 (1-Lane)
1.900	44.83	999.00	13.41	999.00	0.00	536.4 (2-Lane)
1.900	59.95	999.00	17.93	999.00	0.00	717.4 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	339.76 R	255.46	254.05 R	191.01			
1.200	468.8	70.2	593.12 R	445.96	443.50 R	333.46			
1.300	615.3	92.1	760.09 R	571.49	568.34 R	427.33			
1.400	703.2	105.3	866.58 R	651.56	647.97 R	487.20			
1.500	732.5	109.7	891.18 R	670.06	666.37 R	501.03			
1.600	703.2	105.3	866.58 R	651.56	647.97 R	487.20			
1.700	615.3	92.1	760.09 R	571.49	568.34 R	427.33			
1.800	468.8	70.2	593.12 R	445.96	443.50 R	333.46			
1.900	263.7	39.5	339.76 R	255.46	254.05 R	191.01			
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00			
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00			

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	9.47	999.00	9.47	999.00	0.00	255.6 (2-Lane)
1.100	12.66	999.00	12.66	999.00	0.00	341.8 (1-Lane)
1.200	5.15	999.00	5.15	999.00	0.00	139.0 (2-Lane)
1.200	6.89	999.00	6.89	999.00	0.00	186.0 (1-Lane)
1.300	3.95	999.00	3.95	999.00	0.00	106.8 (2-Lane)
1.300	5.29	999.00	5.29	999.00	0.00	142.8 (1-Lane)
1.400	3.40	999.00	3.40	999.00	0.00	91.7 (2-Lane)
1.400	4.54	999.00	4.54	999.00	0.00	122.7 (1-Lane)
1.500	3.27	999.00	3.27	999.00	0.00	88.2 (2-Lane)
1.500	4.37	999.00	4.37	999.00	0.00	117.9 (1-Lane)
1.600	3.40	999.00	3.40	999.00	0.00	91.7 (2-Lane)
1.600	4.54	999.00	4.54	999.00	0.00	122.7 (1-Lane)
1.700	3.95	999.00	3.95	999.00	0.00	106.8 (2-Lane)
1.700	5.29	999.00	5.29	999.00	0.00	142.8 (1-Lane)
1.800	5.15	999.00	5.15	999.00	0.00	139.0 (2-Lane)
1.800	6.89	999.00	6.89	999.00	0.00	186.0 (1-Lane)
1.900	9.33	999.00	9.33	999.00	0.00	252.0 (2-Lane)
1.900	12.48	999.00	12.48	999.00	0.00	337.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	71.15	53.50	61.99	46.61
1.100	48.4	6.2	66.70	50.15	58.11	43.69
1.200	31.0	4.6	58.22	43.77	50.73	38.14
1.300	20.6	3.1	49.74	37.40	43.34	32.58
1.400	10.3	1.5	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-10.3	-1.5	-41.26	-31.02	-35.95	-27.03
1.700	-20.6	-3.1	-49.74	-37.40	-43.34	-32.58
1.800	-31.0	-4.6	-58.22	-43.77	-50.73	-38.14
1.900	-41.3	-6.2	-66.70	-50.15	-58.11	-43.69
1.948	-46.2	-13.8	-70.76	-53.20	-61.65	-46.35
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	106.2	47.7	164.8	-188.6	141.1 (2-Lane)
1.300	110.0	47.7	168.7	-192.4	144.9 (1-Lane)
1.400	67.4	32.1	99.5	-111.4	87.7 (2-Lane)
1.400	69.0	32.1	101.1	-113.0	89.3 (1-Lane)

1.500	39.8	50.6	90.4	-90.4	90.4 (2-Lane)
1.500	39.8	50.6	90.4	-90.4	90.4 (1-Lane)
1.600	67.4	32.1	99.5	-87.7	111.4 (2-Lane)
1.600	69.0	32.1	101.1	-89.3	113.0 (1-Lane)
1.700	106.2	47.7	164.8	-141.1	188.6 (2-Lane)
1.700	110.0	47.7	168.7	-144.9	192.4 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	238.17	2.45	0.00	66.1 (2-Lane)
1.048	273.36	2.81	0.00	75.9 (1-Lane)
1.100	89.84	3.02	0.00	81.6 (2-Lane)
1.100	103.11	3.47	0.00	93.7 (1-Lane)
1.200	25.12	2.89	0.00	78.2 (2-Lane)
1.200	28.84	3.32	0.00	89.7 (1-Lane)
1.300	11.69	2.84	0.00	76.6 (2-Lane)
1.300	13.68	3.34	0.00	90.3 (1-Lane)
1.400	4.59	2.12	0.00	57.4 (2-Lane)
1.400	5.34	2.48	0.00	67.1 (1-Lane)
1.500	2.76	2.76	0.00	74.5 (2-Lane)
1.500	3.17	3.17	0.00	85.5 (1-Lane)
1.600	2.12	4.59	0.00	57.4 (2-Lane)
1.600	2.48	5.34	0.00	67.1 (1-Lane)
1.700	2.84	11.69	0.00	76.6 (2-Lane)
1.700	3.34	13.68	0.00	90.3 (1-Lane)
1.800	2.89	25.12	0.00	78.2 (2-Lane)
1.800	3.32	28.84	0.00	89.7 (1-Lane)
1.900	3.27	90.53	0.00	88.3 (2-Lane)
1.900	3.76	103.90	0.00	101.4 (1-Lane)
1.948	2.61	218.81	0.00	70.5 (2-Lane)
1.948	2.99	251.14	0.00	80.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	169.88 R	127.73	127.02 R	95.51
1.200	468.8	70.2	296.56 R	222.98	221.75 R	166.73
1.300	615.3	92.1	380.04 R	285.75	284.17 R	213.66
1.400	703.2	105.3	433.29 R	325.78	323.99 R	243.60
1.500	732.5	109.7	445.59 R	335.03	333.18 R	250.51
1.600	703.2	105.3	433.29 R	325.78	323.99 R	243.60
1.700	615.3	92.1	380.04 R	285.75	284.17 R	213.66
1.800	468.8	70.2	296.56 R	222.98	221.75 R	166.73
1.900	263.7	39.5	169.88 R	127.73	127.02 R	95.51
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
 Rating Type: III-LGL
 Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
 Rating Type: III-LGL S
 Rating Live Load: SU4

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	41.64	999.00	12.55	999.00	0.00	339.0 (2-Lane)
1.100	55.69	999.00	16.79	999.00	0.00	453.3 (1-Lane)
1.200	21.64	999.00	6.43	999.00	0.00	173.7 (2-Lane)
1.200	28.94	999.00	8.61	999.00	0.00	232.4 (1-Lane)
1.300	16.13	999.00	4.76	999.00	0.00	128.6 (2-Lane)
1.300	21.57	999.00	6.37	999.00	0.00	172.0 (1-Lane)
1.400	13.48	999.00	3.97	999.00	0.00	107.2 (2-Lane)
1.400	18.03	999.00	5.31	999.00	0.00	143.4 (1-Lane)
1.500	12.79	999.00	3.77	999.00	0.00	101.7 (2-Lane)
1.500	17.11	999.00	5.04	999.00	0.00	136.0 (1-Lane)
1.600	13.48	999.00	3.97	999.00	0.00	107.2 (2-Lane)
1.600	18.03	999.00	5.31	999.00	0.00	143.4 (1-Lane)
1.700	16.13	999.00	4.76	999.00	0.00	128.6 (2-Lane)
1.700	21.57	999.00	6.37	999.00	0.00	172.0 (1-Lane)
1.800	21.64	999.00	6.43	999.00	0.00	173.7 (2-Lane)
1.800	28.94	999.00	8.61	999.00	0.00	232.4 (1-Lane)
1.900	41.10	999.00	12.30	999.00	0.00	332.0 (2-Lane)
1.900	54.96	999.00	16.44	999.00	0.00	444.0 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
 Rating Type: I-LEGL
 Rating Live Load: SU5

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.048	103.8	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	377.07 R		283.51	281.95 R		211.99
1.200	468.8	70.2	654.95 R		492.44	489.73 R		368.21
1.300	615.3	92.1	842.64 R		633.56	630.07 R		473.74

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1.400	703.2	105.3	957.06 R	719.59	715.63 R	538.07	
1.500	732.5	109.7	972.29 R	731.04	727.01 R	546.62	
1.600	703.2	105.3	957.06 R	719.59	715.63 R	538.07	
1.700	615.3	92.1	842.64 R	633.56	630.07 R	473.74	
1.800	468.8	70.2	654.95 R	492.44	489.73 R	368.21	
1.900	263.7	39.5	377.07 R	283.51	281.95 R	211.99	
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.53	999.00	8.53	999.00	0.00	264.4 (2-Lane)
1.100	11.41	999.00	11.41	999.00	0.00	353.6 (1-Lane)
1.200	4.66	999.00	4.66	999.00	0.00	144.6 (2-Lane)
1.200	6.24	999.00	6.24	999.00	0.00	193.4 (1-Lane)
1.300	3.57	999.00	3.57	999.00	0.00	110.6 (2-Lane)
1.300	4.77	999.00	4.77	999.00	0.00	147.9 (1-Lane)
1.400	3.08	999.00	3.08	999.00	0.00	95.4 (2-Lane)
1.400	4.11	999.00	4.11	999.00	0.00	127.5 (1-Lane)
1.500	2.99	999.00	2.99	999.00	0.00	92.8 (2-Lane)
1.500	4.00	999.00	4.00	999.00	0.00	124.1 (1-Lane)
1.600	3.08	999.00	3.08	999.00	0.00	95.4 (2-Lane)
1.600	4.11	999.00	4.11	999.00	0.00	127.5 (1-Lane)
1.700	3.57	999.00	3.57	999.00	0.00	110.6 (2-Lane)
1.700	4.77	999.00	4.77	999.00	0.00	147.9 (1-Lane)
1.800	4.66	999.00	4.66	999.00	0.00	144.6 (2-Lane)
1.800	6.24	999.00	6.24	999.00	0.00	193.4 (1-Lane)
1.900	8.41	999.00	8.41	999.00	0.00	260.7 (2-Lane)
1.900	11.25	999.00	11.25	999.00	0.00	348.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load:	SU5		(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	79.13	59.50	68.95	51.84
1.100	48.4	6.2	74.03	55.66	64.50	48.49
1.200	31.0	4.6	64.29	48.34	56.01	42.11
1.300	20.6	3.1	54.55	41.02	47.53	35.74
1.400	10.3	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-10.3	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-20.6	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-31.0	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-41.3	-6.2	-74.03	-55.66	-64.50	-48.49
1.948	-46.2	-13.8	-78.68	-59.16	-68.55	-51.54
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU5

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	106.8	47.7	165.5	-189.2	141.8 (2-Lane)
1.300	111.0	47.7	169.7	-193.5	146.0 (1-Lane)
1.400	68.0	32.1	100.1	-112.0	88.2 (2-Lane)
1.400	69.9	32.1	102.0	-113.8	90.1 (1-Lane)
1.500	40.4	50.6	91.0	-91.0	91.0 (2-Lane)
1.500	40.6	50.6	91.2	-91.2	91.2 (1-Lane)
1.600	68.0	32.1	100.1	-88.2	112.0 (2-Lane)
1.600	69.9	32.1	102.0	-90.1	113.8 (1-Lane)
1.700	106.8	47.7	165.5	-141.8	189.2 (2-Lane)
1.700	111.0	47.7	169.7	-146.0	193.5 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	238.17	2.20	0.00	68.3 (2-Lane)
1.048	273.36	2.53	0.00	78.3 (1-Lane)
1.100	89.84	2.72	0.00	84.4 (2-Lane)
1.100	103.11	3.13	0.00	96.9 (1-Lane)
1.200	25.12	2.62	0.00	81.3 (2-Lane)
1.200	28.84	3.01	0.00	93.3 (1-Lane)
1.300	10.97	2.60	0.00	80.6 (2-Lane)
1.300	12.87	3.07	0.00	95.2 (1-Lane)
1.400	4.42	1.97	0.00	61.0 (2-Lane)
1.400	5.16	2.31	0.00	71.5 (1-Lane)
1.500	2.60	2.60	0.00	80.4 (2-Lane)
1.500	2.98	2.98	0.00	92.5 (1-Lane)
1.600	1.97	4.42	0.00	61.0 (2-Lane)
1.600	2.31	5.16	0.00	71.5 (1-Lane)
1.700	2.60	10.97	0.00	80.6 (2-Lane)
1.700	3.07	12.87	0.00	95.2 (1-Lane)
1.800	2.62	25.12	0.00	81.3 (2-Lane)

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1.800	3.01	28.84	0.00	93.3 (1-Lane)
1.900	2.95	90.53	0.00	91.4 (2-Lane)
1.900	3.38	103.90	0.00	104.9 (1-Lane)
1.948	2.35	218.81	0.00	72.8 (2-Lane)
1.948	2.69	251.14	0.00	83.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.048	103.8	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	39.5	188.54 R	141.76	140.97 R		106.00	
1.200	468.8	70.2	327.47 R	246.22	244.86 R		184.11	
1.300	615.3	92.1	421.32 R	316.78	315.04 R		236.87	
1.400	703.2	105.3	478.53 R	359.80	357.81 R		269.03	
1.500	732.5	109.7	486.14 R	365.52	363.51 R		273.31	
1.600	703.2	105.3	478.53 R	359.80	357.81 R		269.03	
1.700	615.3	92.1	421.32 R	316.78	315.04 R		236.87	
1.800	468.8	70.2	327.47 R	246.22	244.86 R		184.11	
1.900	263.7	39.5	188.54 R	141.76	140.97 R		106.00	
1.948	137.6	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2107

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL S

Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	37.52	999.00	11.31	999.00	0.00	350.7 (2-Lane)
1.100	50.18	999.00	15.13	999.00	0.00	469.0 (1-Lane)
1.200	19.59	999.00	5.83	999.00	0.00	180.6 (2-Lane)
1.200	26.20	999.00	7.79	999.00	0.00	241.6 (1-Lane)

1.300	14.55	999.00	4.30	999.00	0.00	133.2	(2-Lane)
1.300	19.45	999.00	5.74	999.00	0.00	178.1	(1-Lane)
1.400	12.21	999.00	3.60	999.00	0.00	111.5	(2-Lane)
1.400	16.33	999.00	4.81	999.00	0.00	149.1	(1-Lane)
1.500	11.72	999.00	3.45	999.00	0.00	107.0	(2-Lane)
1.500	15.68	999.00	4.62	999.00	0.00	143.2	(1-Lane)
1.600	12.21	999.00	3.60	999.00	0.00	111.5	(2-Lane)
1.600	16.33	999.00	4.81	999.00	0.00	149.1	(1-Lane)
1.700	14.55	999.00	4.30	999.00	0.00	133.2	(2-Lane)
1.700	19.45	999.00	5.74	999.00	0.00	178.1	(1-Lane)
1.800	19.59	999.00	5.83	999.00	0.00	180.6	(2-Lane)
1.800	26.20	999.00	7.79	999.00	0.00	241.6	(1-Lane)
1.900	37.03	999.00	11.08	999.00	0.00	343.4	(2-Lane)
1.900	49.53	999.00	14.82	999.00	0.00	459.3	(1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	397.96 R	299.22	297.57 R	223.74	223.74
1.200	468.8	70.2	717.98 R	539.83	536.86 R	403.65	403.65
1.300	615.3	92.1	932.71 R	701.29	697.42 R	524.38	524.38
1.400	703.2	105.3	1052.03 R	791.00	786.64 R	591.46	591.46
1.500	732.5	109.7	1083.54 R	814.69	810.20 R	609.17	609.17
1.600	703.2	105.3	1052.03 R	791.00	786.64 R	591.46	591.46
1.700	615.3	92.1	932.71 R	701.29	697.42 R	524.38	524.38
1.800	468.8	70.2	717.98 R	539.83	536.86 R	403.65	403.65
1.900	263.7	39.5	397.96 R	299.22	297.57 R	223.74	223.74
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	Rating top fiber	Factor bottom fiber	Rating Value	Load Resistance
------	---------------------	------------------------	-----------------	--------------------

	+bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	8.08	999.00	8.08	999.00	0.00	280.9 (2-Lane)
1.100	10.81	999.00	10.81	999.00	0.00	375.6 (1-Lane)
1.200	4.25	999.00	4.25	999.00	0.00	147.8 (2-Lane)
1.200	5.69	999.00	5.69	999.00	0.00	197.7 (1-Lane)
1.300	3.22	999.00	3.22	999.00	0.00	112.0 (2-Lane)
1.300	4.31	999.00	4.31	999.00	0.00	149.7 (1-Lane)
1.400	2.80	999.00	2.80	999.00	0.00	97.2 (2-Lane)
1.400	3.74	999.00	3.74	999.00	0.00	130.1 (1-Lane)
1.500	2.69	999.00	2.69	999.00	0.00	93.3 (2-Lane)
1.500	3.59	999.00	3.59	999.00	0.00	124.8 (1-Lane)
1.600	2.80	999.00	2.80	999.00	0.00	97.2 (2-Lane)
1.600	3.74	999.00	3.74	999.00	0.00	130.1 (1-Lane)
1.700	3.22	999.00	3.22	999.00	0.00	112.0 (2-Lane)
1.700	4.31	999.00	4.31	999.00	0.00	149.7 (1-Lane)
1.800	4.25	999.00	4.25	999.00	0.00	147.8 (2-Lane)
1.800	5.69	999.00	5.69	999.00	0.00	197.7 (1-Lane)
1.900	7.97	999.00	7.97	999.00	0.00	276.9 (2-Lane)
1.900	10.66	999.00	10.66	999.00	0.00	370.3 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma	DC	DW	LL	LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	83.85	63.05	73.06	54.93
1.100	48.4	6.2	78.13	58.74	68.07	51.18
1.200	31.0	4.6	67.21	50.54	58.56	44.03
1.300	20.6	3.1	56.30	42.33	49.05	36.88
1.400	10.3	1.5	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-10.3	-1.5	-45.38	-34.12	-39.54	-29.73
1.700	-20.6	-3.1	-56.30	-42.33	-49.05	-36.88
1.800	-31.0	-4.6	-67.21	-50.54	-58.56	-44.03
1.900	-41.3	-6.2	-78.13	-58.74	-68.07	-51.18
1.948	-46.2	-13.8	-83.35	-62.67	-72.62	-54.60
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (2-Lane)
1.048	85.8	141.3	238.3	-302.3	174.2 (1-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (2-Lane)
1.100	92.9	152.1	256.2	-310.7	201.6 (1-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (2-Lane)
1.200	109.9	83.1	204.1	-239.7	168.5 (1-Lane)
1.300	104.2	47.7	162.9	-186.6	139.2 (2-Lane)
1.300	108.8	47.7	167.5	-191.2	143.8 (1-Lane)
1.400	66.1	32.1	98.2	-110.0	86.3 (2-Lane)
1.400	68.2	32.1	100.3	-112.1	88.4 (1-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (2-Lane)
1.500	39.6	50.6	90.3	-90.3	90.3 (1-Lane)
1.600	66.1	32.1	98.2	-86.3	110.0 (2-Lane)
1.600	68.2	32.1	100.3	-88.4	112.1 (1-Lane)
1.700	104.2	47.7	162.9	-139.2	186.6 (2-Lane)
1.700	108.8	47.7	167.5	-143.8	191.2 (1-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (2-Lane)
1.800	109.9	83.1	204.1	-168.5	239.7 (1-Lane)

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1.900	96.8	157.7	265.7	-218.2	313.1 (2-Lane)
1.900	96.8	157.7	265.7	-218.2	313.1 (1-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (2-Lane)
1.948	88.4	145.1	244.7	-184.7	304.8 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU6

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	352.08	2.08	0.00	72.2 (2-Lane)
1.048	404.10	2.38	0.00	82.9 (1-Lane)
1.100	151.91	2.58	0.00	89.7 (2-Lane)
1.100	174.36	2.96	0.00	102.9 (1-Lane)
1.200	31.75	2.51	0.00	87.1 (2-Lane)
1.200	36.44	2.88	0.00	100.0 (1-Lane)
1.300	12.05	2.47	0.00	85.9 (2-Lane)
1.300	14.17	2.93	0.00	101.9 (1-Lane)
1.400	4.47	1.90	0.00	66.1 (2-Lane)
1.400	5.23	2.24	0.00	77.7 (1-Lane)
1.500	2.62	2.62	0.00	91.0 (2-Lane)
1.500	3.01	3.01	0.00	104.5 (1-Lane)
1.600	1.90	4.47	0.00	66.1 (2-Lane)
1.600	2.24	5.23	0.00	77.7 (1-Lane)
1.700	2.47	12.05	0.00	85.9 (2-Lane)
1.700	2.93	14.17	0.00	101.9 (1-Lane)
1.800	2.51	31.75	0.00	87.1 (2-Lane)
1.800	2.88	36.44	0.00	100.0 (1-Lane)
1.900	2.79	153.08	0.00	97.1 (2-Lane)
1.900	3.21	175.69	0.00	111.4 (1-Lane)
1.948	2.22	323.46	0.00	77.0 (2-Lane)
1.948	2.54	371.25	0.00	88.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2115

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	198.98 R	149.61	148.79 R	111.87
1.200	468.8	70.2	358.99 R	269.92	268.43 R	201.83
1.300	615.3	92.1	466.36 R	350.64	348.71 R	262.19
1.400	703.2	105.3	526.02 R	395.50	393.32 R	295.73
1.500	732.5	109.7	541.77 R	407.35	405.10 R	304.59
1.600	703.2	105.3	526.02 R	395.50	393.32 R	295.73
1.700	615.3	92.1	466.36 R	350.64	348.71 R	262.19
1.800	468.8	70.2	358.99 R	269.92	268.43 R	201.83
1.900	263.7	39.5	198.98 R	149.61	148.79 R	111.87
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2115

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: SU6

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Span	Service Resistance				Available Resistance for LL+I			
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
	Bending	Bending	Bending	Bending	Bending	Bending	Bending	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.000	999.00	999.00	999.00	999.00	0.00
1.048	999.00	999.00	999.00	999.00	0.00
1.048	999.00	999.00	999.00	999.00	0.00
1.100	35.55	999.00	10.72	999.00	0.00
1.100	47.54	999.00	14.33	999.00	0.00
1.200	17.87	999.00	5.32	999.00	0.00
1.200	23.90	999.00	7.11	999.00	0.00
1.300	13.14	999.00	3.88	999.00	0.00
1.300	17.58	999.00	5.19	999.00	0.00
1.400	11.10	999.00	3.27	999.00	0.00
1.400	14.85	999.00	4.37	999.00	0.00
1.500	10.52	999.00	3.10	999.00	0.00
1.500	14.07	999.00	4.14	999.00	0.00
1.600	11.10	999.00	3.27	999.00	0.00
1.600	14.85	999.00	4.37	999.00	0.00
1.700	13.14	999.00	3.88	999.00	0.00
1.700	17.58	999.00	5.19	999.00	0.00
1.800	17.87	999.00	5.32	999.00	0.00
1.800	23.90	999.00	7.11	999.00	0.00
1.900	35.09	999.00	10.50	999.00	0.00
1.900	46.93	999.00	14.04	999.00	0.00
1.948	999.00	999.00	999.00	999.00	0.00
1.948	999.00	999.00	999.00	999.00	0.00
2.000	999.00	999.00	999.00	999.00	0.00
2.000	999.00	999.00	999.00	999.00	0.00

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11
Rating Type: I-LEGL
Rating Live Load: SU7

Span	Gamma		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.60	1.60		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R
1.048	103.8	0.0	0.00 R		0.00	0.00 R
1.100	218.4	39.5	416.40 R		313.08	311.35 R
1.200	468.8	70.2	751.06 R		564.71	561.60 R
1.300	615.3	92.1	1003.99 R		754.88	750.72 R
1.400	703.2	105.3	1135.75 R		853.95	849.24 R
1.500	732.5	109.7	1175.91 R		884.14	879.27 R
1.600	703.2	105.3	1135.75 R		853.95	849.24 R
1.700	615.3	92.1	1004.00 R		754.88	750.72 R
1.800	468.8	70.2	751.06 R		564.71	561.60 R
1.900	263.7	39.5	416.40 R		313.08	311.35 R
1.948	137.6	0.0	0.00 R		0.00	0.00 R
2.000	0.0	0.0	0.00 R		0.00	0.00 R

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0
1.048	3411.7	3411.7	0.0	0.0	3307.9	3307.9	-103.8	-103.8
1.100	3474.2	3474.2	0.0	0.0	3216.4	3216.4	-257.8	-257.8
1.200	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.300	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.400	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.500	3752.6	3752.6	0.0	0.0	2910.5	2910.5	-842.1	-842.1
1.600	3752.6	3752.6	0.0	0.0	2944.2	2944.2	-808.5	-808.5
1.700	3712.8	3712.8	0.0	0.0	3005.4	3005.4	-707.4	-707.4
1.800	3593.5	3593.5	0.0	0.0	3054.5	3054.5	-539.0	-539.0
1.900	3474.2	3474.2	0.0	0.0	3171.1	3171.1	-303.2	-303.2
1.948	3417.2	3417.2	0.0	0.0	3279.6	3279.6	-137.6	-137.6
2.000	3355.0	3355.0	0.0	0.0	3355.0	3355.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	7.72	999.00	7.72	999.00	0.00	299.3 (2-Lane)
1.100	10.33	999.00	10.33	999.00	0.00	400.3 (1-Lane)
1.200	4.07	999.00	4.07	999.00	0.00	157.6 (2-Lane)
1.200	5.44	999.00	5.44	999.00	0.00	210.8 (1-Lane)
1.300	2.99	999.00	2.99	999.00	0.00	116.0 (2-Lane)
1.300	4.00	999.00	4.00	999.00	0.00	155.1 (1-Lane)
1.400	2.59	999.00	2.59	999.00	0.00	100.4 (2-Lane)
1.400	3.47	999.00	3.47	999.00	0.00	134.3 (1-Lane)
1.500	2.47	999.00	2.47	999.00	0.00	95.9 (2-Lane)
1.500	3.31	999.00	3.31	999.00	0.00	128.3 (1-Lane)
1.600	2.59	999.00	2.59	999.00	0.00	100.4 (2-Lane)
1.600	3.47	999.00	3.47	999.00	0.00	134.3 (1-Lane)
1.700	2.99	999.00	2.99	999.00	0.00	116.0 (2-Lane)
1.700	4.00	999.00	4.00	999.00	0.00	155.1 (1-Lane)
1.800	4.07	999.00	4.07	999.00	0.00	157.6 (2-Lane)
1.800	5.44	999.00	5.44	999.00	0.00	210.8 (1-Lane)
1.900	7.61	999.00	7.61	999.00	0.00	295.1 (2-Lane)
1.900	10.19	999.00	10.19	999.00	0.00	394.7 (1-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.948	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
------	-----------	---------------------------	----------------------------------	------------------------------------	----------------------------------	------------------------------------

1.000	51.6	0.0	0.00	0.00	0.00	0.00
1.048	50.1	7.0	88.13	66.26	76.79	57.73
1.100	48.4	6.2	81.75	61.46	71.22	53.55
1.200	31.0	4.6	69.57	52.31	60.62	45.58
1.300	20.6	3.1	57.40	43.16	50.01	37.60
1.400	10.3	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-10.3	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-20.6	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-31.0	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-41.3	-6.2	-81.75	-61.46	-71.22	-53.55
1.948	-46.2	-13.8	-87.57	-65.84	-76.30	-57.36
2.000	-51.6	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.048	85.8	141.3	-302.3	174.2	(2-Lane)
1.048	85.8	141.3	-302.3	174.2	(1-Lane)
1.100	92.9	152.1	-310.7	201.6	(2-Lane)
1.100	92.9	152.1	-310.7	201.6	(1-Lane)
1.200	109.9	83.1	-239.7	168.5	(2-Lane)
1.200	109.9	83.1	-239.7	168.5	(1-Lane)
1.300	102.1	47.7	-184.5	137.1	(2-Lane)
1.300	106.9	47.7	-189.4	141.9	(1-Lane)
1.400	64.0	32.1	-108.0	84.3	(2-Lane)
1.400	66.3	32.1	-110.3	86.5	(1-Lane)
1.500	39.6	50.6	-90.3	90.3	(2-Lane)
1.500	39.6	50.6	-90.3	90.3	(1-Lane)
1.600	64.0	32.1	-84.3	108.0	(2-Lane)
1.600	66.3	32.1	-86.5	110.3	(1-Lane)
1.700	102.1	47.7	-137.1	184.5	(2-Lane)
1.700	106.9	47.7	-141.9	189.4	(1-Lane)
1.800	109.9	83.1	-168.5	239.7	(2-Lane)
1.800	109.9	83.1	-168.5	239.7	(1-Lane)
1.900	96.8	157.7	-218.2	313.1	(2-Lane)
1.900	96.8	157.7	-218.2	313.1	(1-Lane)
1.948	88.4	145.1	-184.7	304.8	(2-Lane)
1.948	88.4	145.1	-184.7	304.8	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2122

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.048	352.08	1.98	0.00	76.6 (2-Lane)
1.048	404.10	2.27	0.00	87.9 (1-Lane)
1.100	172.06	2.47	0.00	95.6 (2-Lane)
1.100	197.48	2.83	0.00	109.7 (1-Lane)
1.200	41.92	2.42	0.00	93.9 (2-Lane)
1.200	48.11	2.78	0.00	107.7 (1-Lane)
1.300	13.67	2.39	0.00	92.5 (2-Lane)
1.300	16.10	2.84	0.00	109.9 (1-Lane)
1.400	4.66	1.86	0.00	72.2 (2-Lane)
1.400	5.45	2.20	0.00	85.1 (1-Lane)
1.500	2.69	2.69	0.00	104.2 (2-Lane)
1.500	3.09	3.09	0.00	119.6 (1-Lane)
1.600	1.86	4.66	0.00	72.2 (2-Lane)
1.600	2.20	5.45	0.00	85.1 (1-Lane)
1.700	2.39	13.67	0.00	92.5 (2-Lane)
1.700	2.84	16.10	0.00	109.9 (1-Lane)
1.800	2.42	41.92	0.00	93.9 (2-Lane)
1.800	2.78	48.11	0.00	107.7 (1-Lane)
1.900	2.67	173.38	0.00	103.4 (2-Lane)
1.900	3.06	198.99	0.00	118.7 (1-Lane)
1.948	2.11	323.46	0.00	81.7 (2-Lane)
1.948	2.42	371.25	0.00	93.8 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2123

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LG
Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.048	103.8	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05
1.200	468.8	70.2	375.53 R	282.35	280.80 R	211.13
1.300	615.3	92.1	502.00 R	377.44	375.36 R	282.23
1.400	703.2	105.3	567.88 R	426.97	424.62 R	319.26
1.500	732.5	109.7	587.96 R	442.07	439.63 R	330.55
1.600	703.2	105.3	567.88 R	426.97	424.62 R	319.26
1.700	615.3	92.1	502.00 R	377.44	375.36 R	282.23
1.800	468.8	70.2	375.53 R	282.35	280.80 R	211.13
1.900	263.7	39.5	208.20 R	156.54	155.68 R	117.05
1.948	137.6	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2123

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7

Rating Live Load: Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Top Bott. Top Bott. Top Bott. Top Bott.

1.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6
1.048	2.9	2.6	-2.9	-2.6	2.8	2.5	-3.1	-2.8
1.100	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.1
1.200	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.300	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.400	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.500	3.4	3.0	-3.4	-3.0	2.0	1.8	-5.0	-4.3
1.600	3.4	3.0	-3.4	-3.0	2.1	1.9	-4.9	-4.3
1.700	3.3	3.0	-3.3	-3.0	2.2	2.0	-4.6	-4.1
1.800	3.1	2.9	-3.1	-2.9	2.3	2.1	-4.2	-3.7
1.900	3.0	2.7	-3.0	-2.7	2.5	2.3	-3.5	-3.2
1.948	2.9	2.7	-2.9	-2.7	2.8	2.5	-3.2	-2.9
2.000	2.8	2.6	-2.8	-2.6	2.8	2.6	-2.8	-2.6

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G11

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.048	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	33.98	999.00	10.24	999.00	0.00	396.9 (2-Lane)
1.100	45.44	999.00	13.70	999.00	0.00	530.8 (1-Lane)
1.200	17.09	999.00	5.08	999.00	0.00	196.9 (2-Lane)
1.200	22.85	999.00	6.80	999.00	0.00	263.3 (1-Lane)
1.300	12.21	999.00	3.61	999.00	0.00	139.7 (2-Lane)
1.300	16.33	999.00	4.82	999.00	0.00	186.8 (1-Lane)
1.400	10.29	999.00	3.03	999.00	0.00	117.4 (2-Lane)
1.400	13.76	999.00	4.05	999.00	0.00	157.0 (1-Lane)
1.500	9.69	999.00	2.86	999.00	0.00	110.6 (2-Lane)

Span Sect. Top Top Top Web Bott. Bott. Bott. Void Prestress
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Height	Flg. Width	Flg. Thk.	Fil. Thk.	Thk.	Fil. Thk.	Flg. Thk.	Flg. Width	Area	Dy	Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.2	796.0
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	487.4	806.8
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.0	813.2
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	478.8	815.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.0	813.2
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	487.4	806.8
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.2	796.0
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.3	780.8
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.6	771.6
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2126

SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Span	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia +Bend (n=n)	of Inertia +Bend (n=3n)	Section Top	Modulus Bott.	+Bend (n=n)	+Bend (n=3n)	Bott.
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2126

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2127

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	455.9	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	598.3	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	683.8	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	712.3	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	683.8	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	598.3	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	455.9	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	256.4	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2128

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.1 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.3 (1-Lane)
1.200	5.61	999.00	5.61	999.00	0.00	202.1 (2-Lane)
1.200	7.51	999.00	7.51	999.00	0.00	270.3 (1-Lane)
1.300	4.28	999.00	4.28	999.00	0.00	154.1 (2-Lane)
1.300	5.72	999.00	5.72	999.00	0.00	206.0 (1-Lane)
1.400	3.74	999.00	3.74	999.00	0.00	134.6 (2-Lane)
1.400	5.00	999.00	5.00	999.00	0.00	180.1 (1-Lane)
1.500	3.66	999.00	3.66	999.00	0.00	131.7 (2-Lane)
1.500	4.89	999.00	4.89	999.00	0.00	176.1 (1-Lane)
1.600	3.74	999.00	3.74	999.00	0.00	134.6 (2-Lane)
1.600	5.00	999.00	5.00	999.00	0.00	180.1 (1-Lane)
1.700	4.28	999.00	4.28	999.00	0.00	154.1 (2-Lane)
1.700	5.72	999.00	5.72	999.00	0.00	206.0 (1-Lane)
1.800	5.61	999.00	5.61	999.00	0.00	202.1 (2-Lane)
1.800	7.51	999.00	7.51	999.00	0.00	270.3 (1-Lane)
1.900	10.16	999.00	10.16	999.00	0.00	365.7 (2-Lane)
1.900	13.59	999.00	13.59	999.00	0.00	489.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
 2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2130

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
 Rating Live Load: HL93

Gamma DC DW (2-Lane) (1-Lane)
 1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	118.11	0.00	94.04	0.00
1.100	46.1	6.2	109.99	0.00	87.42	0.00
1.200	30.1	4.6	93.63	0.00	74.13	0.00
1.300	20.1	3.1	77.74	0.00	61.31	0.00
1.400	10.0	1.5	62.33	0.00	48.96	0.00
1.500	0.0	0.0	47.38	0.00	37.08	0.00
1.600	-10.0	-1.5	-62.33	0.00	-48.96	0.00
1.700	-20.1	-3.1	-77.74	0.00	-61.31	0.00
1.800	-30.1	-4.6	-93.63	0.00	-74.13	0.00
1.900	-40.1	-6.2	-109.99	0.00	-87.41	0.00
1.949	-45.0	-13.9	-118.11	0.00	-94.04	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
 Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	95.9	30.6	126.5	-138.1	114.9 (2-Lane)
1.400	100.7	30.6	131.3	-142.9	119.7 (1-Lane)
1.500	58.8	48.2	107.0	-107.0	107.0 (2-Lane)
1.500	60.5	48.2	108.8	-108.8	108.8 (1-Lane)
1.600	95.9	30.6	126.5	-114.9	138.1 (2-Lane)
1.600	100.7	30.6	131.3	-119.7	142.9 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
 Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	91.12	1.13	0.00	40.7 (2-Lane)
1.051	104.58	1.30	0.00	46.7 (1-Lane)
1.100	48.58	1.51	0.00	54.2 (2-Lane)
1.100	55.76	1.73	0.00	62.3 (1-Lane)
1.200	14.11	1.53	0.00	55.1 (2-Lane)
1.200	16.19	1.76	0.00	63.3 (1-Lane)

1.300	8.60	2.15	0.00	77.5 (2-Lane)
1.300	9.87	2.47	0.00	89.0 (1-Lane)
1.400	3.94	1.84	0.00	66.4 (2-Lane)
1.400	4.67	2.20	0.00	79.4 (1-Lane)
1.500	2.26	2.26	0.00	81.3 (2-Lane)
1.500	2.63	2.63	0.00	94.8 (1-Lane)
1.600	1.84	3.94	0.00	66.4 (2-Lane)
1.600	2.20	4.67	0.00	79.4 (1-Lane)
1.700	2.15	8.60	0.00	77.5 (2-Lane)
1.700	2.47	9.87	0.00	89.0 (1-Lane)
1.800	1.53	14.11	0.00	55.1 (2-Lane)
1.800	1.76	16.19	0.00	63.3 (1-Lane)
1.900	1.63	46.97	0.00	58.8 (2-Lane)
1.900	1.88	53.91	0.00	67.5 (1-Lane)
1.949	1.19	89.53	0.00	42.9 (2-Lane)
1.949	1.37	102.76	0.00	49.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2133

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	364.7	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	478.7	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	547.0	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	569.8	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	547.0	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	478.7	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	364.7	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	205.1	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2133

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93

Rating Live Load: Span

Service Resistance				Available Resistance for LL+I			
Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.58	999.00	12.96	999.00	0.00	466.5 (2-Lane)
1.100	56.94	999.00	17.33	999.00	0.00	623.9 (1-Lane)
1.200	22.27	999.00	6.75	999.00	0.00	243.1 (2-Lane)
1.200	29.78	999.00	9.03	999.00	0.00	325.2 (1-Lane)
1.300	16.33	999.00	4.95	999.00	0.00	178.4 (2-Lane)
1.300	21.83	999.00	6.63	999.00	0.00	238.5 (1-Lane)
1.400	13.91	999.00	4.22	999.00	0.00	152.1 (2-Lane)
1.400	18.61	999.00	5.65	999.00	0.00	203.4 (1-Lane)
1.500	13.49	999.00	4.09	999.00	0.00	147.4 (2-Lane)
1.500	18.04	999.00	5.48	999.00	0.00	197.2 (1-Lane)
1.600	13.91	999.00	4.22	999.00	0.00	152.1 (2-Lane)
1.600	18.61	999.00	5.65	999.00	0.00	203.4 (1-Lane)
1.700	16.33	999.00	4.95	999.00	0.00	178.4 (2-Lane)
1.700	21.83	999.00	6.63	999.00	0.00	238.5 (1-Lane)
1.800	22.27	999.00	6.75	999.00	0.00	243.1 (2-Lane)
1.800	29.78	999.00	9.03	999.00	0.00	325.2 (1-Lane)
1.900	42.28	999.00	12.82	999.00	0.00	461.4 (2-Lane)
1.900	56.55	999.00	17.14	999.00	0.00	617.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	455.9	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	598.3	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	683.8	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	712.3	109.7	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	683.8	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	598.3	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	455.9	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	256.4	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Resistance Bending Bott.	Available Resistance for LL+I Negative Bending Top	Resistance Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2137

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	12.60	999.00	12.60	999.00	251.99	453.6 (2-Lane)
1.100	16.85	999.00	16.85	999.00	337.01	606.6 (1-Lane)
1.200	6.96	999.00	6.96	999.00	139.12	250.4 (2-Lane)
1.200	9.30	999.00	9.30	999.00	186.05	334.9 (1-Lane)
1.300	5.34	999.00	5.34	999.00	106.81	192.3 (2-Lane)
1.300	7.14	999.00	7.14	999.00	142.85	257.1 (1-Lane)
1.400	4.69	999.00	4.69	999.00	93.75	168.8 (2-Lane)
1.400	6.27	999.00	6.27	999.00	125.38	225.7 (1-Lane)
1.500	4.61	999.00	4.61	999.00	92.26	166.1 (2-Lane)
1.500	6.17	999.00	6.17	999.00	123.38	222.1 (1-Lane)
1.600	4.69	999.00	4.69	999.00	93.75	168.8 (2-Lane)
1.600	6.27	999.00	6.27	999.00	125.38	225.7 (1-Lane)
1.700	5.34	999.00	5.34	999.00	106.81	192.3 (2-Lane)
1.700	7.14	999.00	7.14	999.00	142.85	257.1 (1-Lane)
1.800	6.96	999.00	6.96	999.00	139.12	250.4 (2-Lane)
1.800	9.30	999.00	9.30	999.00	186.05	334.9 (1-Lane)
1.900	12.52	999.00	12.52	999.00	250.35	450.6 (2-Lane)
1.900	16.74	999.00	16.74	999.00	334.81	602.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HS20

Rating Live Load:		DC		DW		(2-Lane)		(1-Lane)	
Gamma		1.25		1.25		LL		LL	
						1.75			1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	96.99	0.00	72.93	0.00	84.51	0.00	63.54
1.100	46.1	6.2	90.98	0.00	68.41	0.00	79.27	0.00	59.60
1.200	30.1	4.6	78.61	0.00	59.11	0.00	68.49	0.00	51.50
1.300	20.1	3.1	66.24	0.00	49.81	0.00	57.72	0.00	43.40
1.400	10.0	1.5	53.88	0.00	40.51	0.00	46.94	0.00	35.29
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19
1.600	-10.0	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29
1.700	-20.1	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40
1.800	-30.1	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50
1.900	-40.1	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60
1.949	-45.0	-13.9	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2139

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: HS20

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)

1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	97.3	30.6	127.9	-139.4	116.3 (2-Lane)
1.400	101.1	30.6	131.7	-143.3	120.1 (1-Lane)
1.500	59.2	48.2	107.4	-107.4	107.4 (2-Lane)
1.500	60.2	48.2	108.4	-108.4	108.4 (1-Lane)
1.600	97.3	30.6	127.9	-116.3	139.4 (2-Lane)
1.600	101.1	30.6	131.7	-120.1	143.3 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	91.12	1.38	27.54	49.6 (2-Lane)
1.051	104.58	1.58	31.61	56.9 (1-Lane)
1.100	49.18	1.82	36.43	65.6 (2-Lane)
1.100	56.44	2.09	41.82	75.3 (1-Lane)
1.200	19.36	1.82	36.48	65.7 (2-Lane)
1.200	22.23	2.09	41.87	75.4 (1-Lane)
1.300	11.00	2.53	50.54	91.0 (2-Lane)
1.300	12.63	2.90	58.01	104.4 (1-Lane)
1.400	4.58	2.16	43.16	77.7 (2-Lane)
1.400	5.41	2.56	51.17	92.1 (1-Lane)
1.500	2.59	2.59	51.76	93.2 (2-Lane)
1.500	3.00	3.00	59.95	107.9 (1-Lane)
1.600	2.16	4.58	43.16	77.7 (2-Lane)
1.600	2.56	5.41	51.17	92.1 (1-Lane)
1.700	2.53	11.00	50.54	91.0 (2-Lane)
1.700	2.90	12.63	58.01	104.4 (1-Lane)
1.800	1.82	19.36	36.48	65.7 (2-Lane)
1.800	2.09	22.23	41.87	75.4 (1-Lane)
1.900	1.98	49.55	39.51	71.1 (2-Lane)
1.900	2.27	56.87	45.34	81.6 (1-Lane)
1.949	1.45	91.50	29.02	52.2 (2-Lane)
1.949	1.66	105.01	33.31	60.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2141

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	364.7	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	478.7	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	547.0	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	569.8	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	547.0	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	478.7	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	364.7	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	205.1	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	Rating Factor		bottom fiber		Rating Value	Load Resistance (tons)
	top fiber +bend	fiber -bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.46	999.00	15.97	999.00	319.35	574.8 (2-Lane)
1.100	70.16	999.00	21.35	999.00	427.09	768.8 (1-Lane)
1.200	27.58	999.00	8.37	999.00	167.34	301.2 (2-Lane)
1.200	36.89	999.00	11.19	999.00	223.79	402.8 (1-Lane)
1.300	20.38	999.00	6.18	999.00	123.67	222.6 (2-Lane)
1.300	27.25	999.00	8.27	999.00	165.39	297.7 (1-Lane)
1.400	17.44	999.00	5.29	999.00	105.89	190.6 (2-Lane)
1.400	23.32	999.00	7.08	999.00	141.61	254.9 (1-Lane)
1.500	17.01	999.00	5.16	999.00	103.30	185.9 (2-Lane)
1.500	22.75	999.00	6.91	999.00	138.15	248.7 (1-Lane)
1.600	17.44	999.00	5.29	999.00	105.89	190.6 (2-Lane)
1.600	23.32	999.00	7.08	999.00	141.61	254.9 (1-Lane)
1.700	20.38	999.00	6.18	999.00	123.67	222.6 (2-Lane)
1.700	27.25	999.00	8.27	999.00	165.39	297.7 (1-Lane)
1.800	27.58	999.00	8.37	999.00	167.34	301.2 (2-Lane)
1.800	36.89	999.00	11.19	999.00	223.79	402.8 (1-Lane)
1.900	52.10	999.00	15.79	999.00	315.84	568.5 (2-Lane)
1.900	69.67	999.00	21.12	999.00	422.40	760.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	1.75	LL	1.75
	1.25	1.25				

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	455.9	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	598.3	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	683.8	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	712.3	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	683.8	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	598.3	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	455.9	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	256.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.36	999.00	17.36	999.00	0.00	433.9 (2-Lane)
1.100	23.21	999.00	23.21	999.00	0.00	580.3 (1-Lane)
1.200	9.52	999.00	9.52	999.00	0.00	237.9 (2-Lane)
1.200	12.73	999.00	12.73	999.00	0.00	318.2 (1-Lane)
1.300	7.24	999.00	7.24	999.00	0.00	181.0 (2-Lane)
1.300	9.68	999.00	9.68	999.00	0.00	242.1 (1-Lane)
1.400	6.32	999.00	6.32	999.00	0.00	158.1 (2-Lane)
1.400	8.46	999.00	8.46	999.00	0.00	211.5 (1-Lane)
1.500	6.16	999.00	6.16	999.00	0.00	154.0 (2-Lane)
1.500	8.24	999.00	8.24	999.00	0.00	205.9 (1-Lane)
1.600	6.32	999.00	6.32	999.00	0.00	158.1 (2-Lane)
1.600	8.46	999.00	8.46	999.00	0.00	211.5 (1-Lane)
1.700	7.24	999.00	7.24	999.00	0.00	181.0 (2-Lane)
1.700	9.68	999.00	9.68	999.00	0.00	242.1 (1-Lane)
1.800	9.52	999.00	9.52	999.00	0.00	237.9 (2-Lane)
1.800	12.73	999.00	12.73	999.00	0.00	318.2 (1-Lane)
1.900	17.24	999.00	17.24	999.00	0.00	431.1 (2-Lane)
1.900	23.06	999.00	23.06	999.00	0.00	576.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

9999999_20120831cy17_FlexuralRpt.txt

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	70.22	0.00	52.80	0.00	61.18	0.00	46.00	0.00
1.100	46.1	6.2	66.04	0.00	49.66	0.00	57.54	0.00	43.26	0.00
1.200	30.1	4.6	57.46	0.00	43.20	0.00	50.06	0.00	37.64	0.00
1.300	20.1	3.1	48.87	0.00	36.74	0.00	42.58	0.00	32.01	0.00
1.400	10.0	1.5	40.28	0.00	30.28	0.00	35.09	0.00	26.39	0.00
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76	0.00
1.600	-10.0	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39	0.00
1.700	-20.1	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01	0.00
1.800	-30.1	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64	0.00
1.900	-40.1	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26	0.00
1.949	-45.0	-13.9	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	92.3	30.6	122.9	-134.5	111.3 (2-Lane)
1.400	94.8	30.6	125.3	-136.9	113.8 (1-Lane)
1.500	54.3	48.2	102.5	-102.5	102.5 (2-Lane)
1.500	54.3	48.2	102.5	-102.5	102.5 (1-Lane)
1.600	92.3	30.6	122.9	-111.3	134.5 (2-Lane)
1.600	94.8	30.6	125.3	-113.8	136.9 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	171.52	1.90	0.00	47.5 (2-Lane)
1.051	196.86	2.18	0.00	54.6 (1-Lane)
1.100	71.45	2.51	0.00	62.7 (2-Lane)
1.100	82.00	2.88	0.00	72.0 (1-Lane)
1.200	22.12	2.50	0.00	62.4 (2-Lane)
1.200	25.39	2.87	0.00	71.6 (1-Lane)
1.300	13.82	3.43	0.00	85.6 (2-Lane)
1.300	15.86	3.93	0.00	98.3 (1-Lane)
1.400	5.82	2.76	0.00	69.1 (2-Lane)
1.400	6.80	3.24	0.00	81.0 (1-Lane)
1.500	3.23	3.23	0.00	80.9 (2-Lane)

1.500	3.71	3.71	0.00	92.8 (1-Lane)
1.600	2.76	5.82	0.00	69.1 (2-Lane)
1.600	3.24	6.80	0.00	81.0 (1-Lane)
1.700	3.43	13.82	0.00	85.6 (2-Lane)
1.700	3.93	15.86	0.00	98.3 (1-Lane)
1.800	2.50	22.12	0.00	62.4 (2-Lane)
1.800	2.87	25.39	0.00	71.6 (1-Lane)
1.900	2.72	71.99	0.00	68.0 (2-Lane)
1.900	3.12	82.63	0.00	78.1 (1-Lane)
1.949	2.00	172.23	0.00	50.1 (2-Lane)
1.949	2.30	197.67	0.00	57.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
Rating Live Load: 3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	364.7	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	478.7	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	547.0	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	569.8	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	547.0	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	478.7	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	364.7	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	205.1	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2149

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: 3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: 3

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9	(2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4	(1-Lane)
1.200	37.74	999.00	11.45	999.00	0.00	286.2	(2-Lane)
1.200	50.48	999.00	15.31	999.00	0.00	382.7	(1-Lane)
1.300	27.62	999.00	8.38	999.00	0.00	209.6	(2-Lane)
1.300	36.94	999.00	11.21	999.00	0.00	280.3	(1-Lane)
1.400	23.53	999.00	7.14	999.00	0.00	178.6	(2-Lane)
1.400	31.47	999.00	9.55	999.00	0.00	238.8	(1-Lane)
1.500	22.72	999.00	6.90	999.00	0.00	172.4	(2-Lane)
1.500	30.38	999.00	9.22	999.00	0.00	230.6	(1-Lane)
1.600	23.53	999.00	7.14	999.00	0.00	178.6	(2-Lane)
1.600	31.47	999.00	9.55	999.00	0.00	238.8	(1-Lane)
1.700	27.62	999.00	8.38	999.00	0.00	209.6	(2-Lane)
1.700	36.94	999.00	11.21	999.00	0.00	280.3	(1-Lane)
1.800	37.74	999.00	11.45	999.00	0.00	286.2	(2-Lane)
1.800	50.48	999.00	15.31	999.00	0.00	382.7	(1-Lane)
1.900	71.77	999.00	21.75	999.00	0.00	543.9	(2-Lane)
1.900	95.98	999.00	29.09	999.00	0.00	727.4	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	455.9	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	598.3	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	683.8	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	712.3	109.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	683.8	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	598.3	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	455.9	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	256.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2152

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Bending Bott.	Negative Bending Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.71	999.00	14.71	999.00	0.00	588.3 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	786.8 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00	340.7 (2-Lane)
1.200	11.39	999.00	11.39	999.00	0.00	455.7 (1-Lane)
1.300	6.32	999.00	6.32	999.00	0.00	252.6 (2-Lane)
1.300	8.45	999.00	8.45	999.00	0.00	337.8 (1-Lane)
1.400	5.60	999.00	5.60	999.00	0.00	224.0 (2-Lane)
1.400	7.49	999.00	7.49	999.00	0.00	299.6 (1-Lane)
1.500	5.67	999.00	5.67	999.00	0.00	226.8 (2-Lane)
1.500	7.58	999.00	7.58	999.00	0.00	303.3 (1-Lane)
1.600	5.60	999.00	5.60	999.00	0.00	224.0 (2-Lane)
1.600	7.49	999.00	7.49	999.00	0.00	299.6 (1-Lane)
1.700	6.32	999.00	6.32	999.00	0.00	252.6 (2-Lane)
1.700	8.45	999.00	8.45	999.00	0.00	337.8 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00	340.7 (2-Lane)
1.800	11.39	999.00	11.39	999.00	0.00	455.7 (1-Lane)
1.900	14.61	999.00	14.61	999.00	0.00	584.5 (2-Lane)
1.900	19.54	999.00	19.54	999.00	0.00	781.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	67.45	0.00	50.72	0.00	44.19
1.100	46.1	6.2	77.94	0.00	58.60	0.00	51.06
1.200	30.1	4.6	64.20	0.00	48.27	0.00	42.05
1.300	20.1	3.1	50.91	0.00	38.28	0.00	33.35
1.400	10.0	1.5	39.54	0.00	29.73	0.00	25.90
1.500	0.0	0.0	28.37	0.00	21.33	0.00	18.59
1.600	-10.0	-1.5	-39.54	0.00	-29.73	0.00	-25.90
1.700	-20.1	-3.1	-50.91	0.00	-38.28	0.00	-33.35
1.800	-30.1	-4.6	-64.20	0.00	-48.27	0.00	-42.05
1.900	-40.1	-6.2	-77.94	0.00	-58.60	0.00	-51.06
1.949	-45.0	-13.9	-84.62	0.00	-63.62	0.00	-55.43
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	86.9	30.6	117.5	-129.0	105.9 (2-Lane)

1.400	89.8	30.6	120.4	-132.0	108.8 (1-Lane)
1.500	48.3	48.2	96.6	-96.6	96.6 (2-Lane)
1.500	48.5	48.2	96.8	-96.8	96.8 (1-Lane)
1.600	86.9	30.6	117.5	-105.9	129.0 (2-Lane)
1.600	89.8	30.6	120.4	-108.8	132.0 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	171.52	1.98	0.00	79.2 (2-Lane)
1.051	196.86	2.27	0.00	90.9 (1-Lane)
1.100	71.45	2.13	0.00	85.1 (2-Lane)
1.100	82.00	2.44	0.00	97.6 (1-Lane)
1.200	22.12	2.23	0.00	89.3 (2-Lane)
1.200	25.39	2.56	0.00	102.6 (1-Lane)
1.300	13.82	3.29	0.00	131.5 (2-Lane)
1.300	15.86	3.77	0.00	151.0 (1-Lane)
1.400	6.06	2.68	0.00	107.1 (2-Lane)
1.400	7.11	3.16	0.00	126.3 (1-Lane)
1.500	3.40	3.40	0.00	136.1 (2-Lane)
1.500	3.91	3.91	0.00	156.6 (1-Lane)
1.600	2.68	6.06	0.00	107.1 (2-Lane)
1.600	3.16	7.11	0.00	126.3 (1-Lane)
1.700	3.29	13.82	0.00	131.5 (2-Lane)
1.700	3.77	15.86	0.00	151.0 (1-Lane)
1.800	2.23	22.12	0.00	89.4 (2-Lane)
1.800	2.56	25.39	0.00	102.6 (1-Lane)
1.900	2.31	71.99	0.00	92.2 (2-Lane)
1.900	2.65	82.63	0.00	105.9 (1-Lane)
1.949	1.66	172.23	0.00	66.5 (2-Lane)
1.949	1.91	197.67	0.00	76.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	364.7	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	478.7	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	547.0	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	569.8	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	547.0	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	478.7	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	364.7	56.2	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	205.1	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01 9999999_20120831cy17_FlexuralRpt.txt

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.78	999.00	10.25	999.00	0.00	409.8 (2-Lane)
1.200	45.17	999.00	13.70	999.00	0.00	548.1 (1-Lane)
1.300	24.09	999.00	7.31	999.00	0.00	292.5 (2-Lane)
1.300	32.22	999.00	9.78	999.00	0.00	391.1 (1-Lane)
1.400	20.84	999.00	6.32	999.00	0.00	253.0 (2-Lane)
1.400	27.86	999.00	8.46	999.00	0.00	338.4 (1-Lane)
1.500	20.91	999.00	6.35	999.00	0.00	254.0 (2-Lane)
1.500	27.97	999.00	8.49	999.00	0.00	339.7 (1-Lane)
1.600	20.84	999.00	6.32	999.00	0.00	253.0 (2-Lane)
1.600	27.86	999.00	8.46	999.00	0.00	338.4 (1-Lane)
1.700	24.09	999.00	7.31	999.00	0.00	292.5 (2-Lane)
1.700	32.22	999.00	9.78	999.00	0.00	391.1 (1-Lane)
1.800	33.78	999.00	10.25	999.00	0.00	409.8 (2-Lane)
1.800	45.17	999.00	13.70	999.00	0.00	548.1 (1-Lane)
1.900	60.81	999.00	18.43	999.00	0.00	737.4 (2-Lane)
1.900	81.33	999.00	24.65	999.00	0.00	986.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3-3

Rating Live Load:		S		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.75		1.75				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	455.9	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00

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1.300	598.3	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14
1.400	683.8	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10
1.500	712.3	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23
1.600	683.8	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10
1.700	598.3	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14
1.800	455.9	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21
1.900	256.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.14	999.00	17.14	999.00	0.00	685.5 (2-Lane)
1.100	22.92	999.00	22.92	999.00	0.00	916.8 (1-Lane)
1.200	9.90	999.00	9.90	999.00	0.00	396.2 (2-Lane)
1.200	13.25	999.00	13.25	999.00	0.00	529.9 (1-Lane)
1.300	7.67	999.00	7.67	999.00	0.00	306.9 (2-Lane)
1.300	10.26	999.00	10.26	999.00	0.00	410.5 (1-Lane)
1.400	7.17	999.00	7.17	999.00	0.00	286.9 (2-Lane)
1.400	9.59	999.00	9.59	999.00	0.00	383.6 (1-Lane)
1.500	6.72	999.00	6.72	999.00	0.00	268.8 (2-Lane)
1.500	8.99	999.00	8.99	999.00	0.00	359.5 (1-Lane)
1.600	7.17	999.00	7.17	999.00	0.00	286.9 (2-Lane)
1.600	9.59	999.00	9.59	999.00	0.00	383.6 (1-Lane)
1.700	7.67	999.00	7.67	999.00	0.00	306.9 (2-Lane)
1.700	10.26	999.00	10.26	999.00	0.00	410.5 (1-Lane)
1.800	9.90	999.00	9.90	999.00	0.00	396.2 (2-Lane)
1.800	13.25	999.00	13.25	999.00	0.00	529.9 (1-Lane)
1.900	17.03	999.00	17.03	999.00	0.00	681.0 (2-Lane)
1.900	22.77	999.00	22.77	999.00	0.00	910.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	72.57	0.00	54.56	0.00	63.22	0.00	47.54	0.00
1.100	46.1	6.2	66.89	0.00	50.29	0.00	58.28	0.00	43.82	0.00
1.200	30.1	4.6	55.21	0.00	41.51	0.00	48.10	0.00	36.17	0.00
1.300	20.1	3.1	43.53	0.00	32.73	0.00	37.92	0.00	28.51	0.00
1.400	10.0	1.5	33.97	0.00	25.54	0.00	29.60	0.00	22.26	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30	0.00
1.600	-10.0	-1.5	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26	0.00
1.700	-20.1	-3.1	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51	0.00
1.800	-30.1	-4.6	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17	0.00
1.900	-40.1	-6.2	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82	0.00
1.949	-45.0	-13.9	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	87.7	30.6	118.3	-129.8	106.7 (2-Lane)
1.400	89.7	30.6	120.2	-131.8	108.7 (1-Lane)
1.500	48.9	48.2	97.1	-97.1	97.1 (2-Lane)
1.500	48.6	48.2	96.9	-96.9	96.9 (1-Lane)
1.600	87.7	30.6	118.3	-106.7	129.8 (2-Lane)
1.600	89.7	30.6	120.3	-108.7	131.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: 3-3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	208.28	1.84	0.00	73.6 (2-Lane)
1.051	239.05	2.11	0.00	84.5 (1-Lane)
1.100	86.76	2.48	0.00	99.1 (2-Lane)
1.100	99.57	2.84	0.00	113.8 (1-Lane)
1.200	26.86	2.60	0.00	103.9 (2-Lane)
1.200	30.83	2.98	0.00	119.2 (1-Lane)
1.300	16.78	3.85	0.00	153.8 (2-Lane)
1.300	19.26	4.41	0.00	176.6 (1-Lane)
1.400	6.89	3.14	0.00	125.6 (2-Lane)
1.400	8.02	3.67	0.00	146.8 (1-Lane)
1.500	3.68	3.68	0.00	147.0 (2-Lane)
1.500	4.21	4.21	0.00	168.4 (1-Lane)
1.600	3.14	6.89	0.00	125.6 (2-Lane)
1.600	3.67	8.02	0.00	146.9 (1-Lane)
1.700	3.85	16.78	0.00	153.8 (2-Lane)
1.700	4.41	19.26	0.00	176.6 (1-Lane)

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1.800	2.60	26.86	0.00	103.9 (2-Lane)
1.800	2.98	30.83	0.00	119.2 (1-Lane)
1.900	2.69	87.42	0.00	107.5 (2-Lane)
1.900	3.08	100.33	0.00	123.3 (1-Lane)
1.949	1.94	209.13	0.00	77.6 (2-Lane)
1.949	2.23	240.03	0.00	89.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	364.7	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	478.7	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	547.0	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	569.8	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	547.0	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	478.7	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	364.7	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	205.1	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2165

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.28	999.00	11.91	999.00	0.00	476.5 (2-Lane)

1.200	52.53	999.00	15.93	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 637.3 (1-Lane)
1.300	29.27	999.00	8.88	999.00	0.00 355.3 (2-Lane)
1.300	39.15	999.00	11.88	999.00	0.00 475.2 (1-Lane)
1.400	26.68	999.00	8.10	999.00	0.00 324.0 (2-Lane)
1.400	35.68	999.00	10.83	999.00	0.00 433.3 (1-Lane)
1.500	24.79	999.00	7.53	999.00	0.00 301.0 (2-Lane)
1.500	33.15	999.00	10.06	999.00	0.00 402.6 (1-Lane)
1.600	26.68	999.00	8.10	999.00	0.00 324.0 (2-Lane)
1.600	35.68	999.00	10.83	999.00	0.00 433.3 (1-Lane)
1.700	29.27	999.00	8.88	999.00	0.00 355.3 (2-Lane)
1.700	39.15	999.00	11.88	999.00	0.00 475.2 (1-Lane)
1.800	39.28	999.00	11.91	999.00	0.00 476.5 (2-Lane)
1.800	52.53	999.00	15.93	999.00	0.00 637.3 (1-Lane)
1.900	70.86	999.00	21.48	999.00	0.00 859.2 (2-Lane)
1.900	94.77	999.00	28.73	999.00	0.00 999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	455.9	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	598.3	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	683.8	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	712.3	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	683.8	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	598.3	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	455.9	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	256.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	Rating	Factor	Rating	Load
------	--------	--------	--------	------

	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.71	999.00	15.71	999.00	0.00	424.2 (2-Lane)
1.100	21.01	999.00	21.01	999.00	0.00	567.4 (1-Lane)
1.200	8.59	999.00	8.59	999.00	0.00	231.9 (2-Lane)
1.200	11.48	999.00	11.48	999.00	0.00	310.1 (1-Lane)
1.300	6.50	999.00	6.50	999.00	0.00	175.6 (2-Lane)
1.300	8.70	999.00	8.70	999.00	0.00	234.8 (1-Lane)
1.400	5.60	999.00	5.60	999.00	0.00	151.2 (2-Lane)
1.400	7.49	999.00	7.49	999.00	0.00	202.2 (1-Lane)
1.500	5.41	999.00	5.41	999.00	0.00	146.1 (2-Lane)
1.500	7.24	999.00	7.24	999.00	0.00	195.4 (1-Lane)
1.600	5.60	999.00	5.60	999.00	0.00	151.2 (2-Lane)
1.600	7.49	999.00	7.49	999.00	0.00	202.2 (1-Lane)
1.700	6.50	999.00	6.50	999.00	0.00	175.6 (2-Lane)
1.700	8.70	999.00	8.70	999.00	0.00	234.8 (1-Lane)
1.800	8.59	999.00	8.59	999.00	0.00	231.9 (2-Lane)
1.800	11.48	999.00	11.48	999.00	0.00	310.1 (1-Lane)
1.900	15.61	999.00	15.61	999.00	0.00	421.5 (2-Lane)
1.900	20.88	999.00	20.88	999.00	0.00	563.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	77.46	0.00	58.24	0.00	67.49	0.00	50.74
1.100	46.1	6.2	72.95	0.00	54.85	0.00	63.56	0.00	47.79
1.200	30.1	4.6	63.68	0.00	47.88	0.00	55.48	0.00	41.71
1.300	20.1	3.1	54.40	0.00	40.90	0.00	47.40	0.00	35.64
1.400	10.0	1.5	45.13	0.00	33.93	0.00	39.32	0.00	29.56
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49
1.600	-10.0	-1.5	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56
1.700	-20.1	-3.1	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64
1.800	-30.1	-4.6	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71
1.900	-40.1	-6.2	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79
1.949	-45.0	-13.9	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU4

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	94.1	30.6	124.7	-136.3	113.1 (2-Lane)
1.400	97.1	30.6	127.7	-139.2	116.1 (1-Lane)
1.500	56.6	48.2	104.9	-104.9	104.9 (2-Lane)
1.500	57.0	48.2	105.3	-105.3	105.3 (1-Lane)
1.600	94.1	30.6	124.7	-113.1	136.3 (2-Lane)
1.600	97.1	30.6	127.7	-116.1	139.2 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)

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1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	171.52	1.72	0.00	46.5 (2-Lane)
1.051	196.86	1.98	0.00	53.4 (1-Lane)
1.100	71.45	2.27	0.00	61.3 (2-Lane)
1.100	82.00	2.61	0.00	70.4 (1-Lane)
1.200	20.40	2.25	0.00	60.8 (2-Lane)
1.200	23.41	2.59	0.00	69.8 (1-Lane)
1.300	12.11	3.08	0.00	83.1 (2-Lane)
1.300	13.90	3.53	0.00	95.4 (1-Lane)
1.400	5.13	2.51	0.00	67.7 (2-Lane)
1.400	6.01	2.95	0.00	79.7 (1-Lane)
1.500	2.92	2.92	0.00	79.0 (2-Lane)
1.500	3.37	3.37	0.00	91.0 (1-Lane)
1.600	2.51	5.13	0.00	67.7 (2-Lane)
1.600	2.95	6.01	0.00	79.7 (1-Lane)
1.700	3.08	12.11	0.00	83.1 (2-Lane)
1.700	3.53	13.90	0.00	95.4 (1-Lane)
1.800	2.25	20.40	0.00	60.8 (2-Lane)
1.800	2.59	23.41	0.00	69.8 (1-Lane)
1.900	2.46	71.99	0.00	66.5 (2-Lane)
1.900	2.83	82.63	0.00	76.3 (1-Lane)
1.949	1.82	172.23	0.00	49.1 (2-Lane)
1.949	2.09	197.67	0.00	56.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00	127.02 R	95.51
1.200	364.7	56.2	296.56 R	0.00	222.98	0.00	221.75 R	166.73
1.300	478.7	73.7	380.04 R	0.00	285.75	0.00	284.17 R	213.66
1.400	547.0	84.2	433.29 R	0.00	325.78	0.00	323.99 R	243.60
1.500	569.8	87.8	445.59 R	0.00	335.03	0.00	333.18 R	250.51
1.600	547.0	84.2	433.29 R	0.00	325.78	0.00	323.99 R	243.60
1.700	478.7	73.7	380.04 R	0.00	285.75	0.00	284.17 R	213.66
1.800	364.7	56.2	296.56 R	0.00	222.98	0.00	221.75 R	166.73
1.900	205.1	31.6	169.88 R	0.00	127.73	0.00	127.02 R	95.51
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type:	SU4							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.05	999.00	10.33	999.00	0.00	278.9 (2-Lane)
1.200	45.54	999.00	13.81	999.00	0.00	373.0 (1-Lane)
1.300	24.81	999.00	7.53	999.00	0.00	203.3 (2-Lane)
1.300	33.18	999.00	10.07	999.00	0.00	271.9 (1-Lane)
1.400	20.83	999.00	6.32	999.00	0.00	170.8 (2-Lane)
1.400	27.86	999.00	8.46	999.00	0.00	228.4 (1-Lane)
1.500	19.96	999.00	6.06	999.00	0.00	163.6 (2-Lane)
1.500	26.69	999.00	8.10	999.00	0.00	218.8 (1-Lane)
1.600	20.83	999.00	6.32	999.00	0.00	170.8 (2-Lane)
1.600	27.86	999.00	8.46	999.00	0.00	228.4 (1-Lane)
1.700	24.81	999.00	7.53	999.00	0.00	203.3 (2-Lane)
1.700	33.18	999.00	10.07	999.00	0.00	271.9 (1-Lane)
1.800	34.05	999.00	10.33	999.00	0.00	278.9 (2-Lane)
1.800	45.54	999.00	13.81	999.00	0.00	373.0 (1-Lane)
1.900	64.97	999.00	19.69	999.00	0.00	531.7 (2-Lane)
1.900	86.89	999.00	26.34	999.00	0.00	711.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2175

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	455.9	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	598.3	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	683.8	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	712.3	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	683.8	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	598.3	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	455.9	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	256.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G12
Rating Type: I-INV
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2177
MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G12
Rating Type: I-INV
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.16	999.00	14.16	999.00	0.00	438.9 (2-Lane)
1.100	18.93	999.00	18.93	999.00	0.00	587.0 (1-Lane)
1.200	7.78	999.00	7.78	999.00	0.00	241.1 (2-Lane)
1.200	10.40	999.00	10.40	999.00	0.00	322.4 (1-Lane)
1.300	5.87	999.00	5.87	999.00	0.00	181.8 (2-Lane)
1.300	7.84	999.00	7.84	999.00	0.00	243.2 (1-Lane)
1.400	5.07	999.00	5.07	999.00	0.00	157.2 (2-Lane)
1.400	6.78	999.00	6.78	999.00	0.00	210.2 (1-Lane)
1.500	4.96	999.00	4.96	999.00	0.00	153.8 (2-Lane)
1.500	6.63	999.00	6.63	999.00	0.00	205.6 (1-Lane)
1.600	5.07	999.00	5.07	999.00	0.00	157.2 (2-Lane)
1.600	6.78	999.00	6.78	999.00	0.00	210.2 (1-Lane)
1.700	5.87	999.00	5.87	999.00	0.00	181.8 (2-Lane)
1.700	7.84	999.00	7.84	999.00	0.00	243.2 (1-Lane)
1.800	7.78	999.00	7.78	999.00	0.00	241.1 (2-Lane)
1.800	10.40	999.00	10.40	999.00	0.00	322.4 (1-Lane)
1.900	14.07	999.00	14.07	999.00	0.00	436.0 (2-Lane)
1.900	18.81	999.00	18.81	999.00	0.00	583.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2178
SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G12
Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25		1.25		LL 1.75	LL 1.75

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	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane	
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	86.14	0.00	64.77	0.00	75.05	0.00	56.43	0.00
1.100	46.1	6.2	80.96	0.00	60.88	0.00	70.54	0.00	53.04	0.00
1.200	30.1	4.6	70.32	0.00	52.87	0.00	61.26	0.00	46.06	0.00
1.300	20.1	3.1	59.67	0.00	44.86	0.00	51.99	0.00	39.09	0.00
1.400	10.0	1.5	49.02	0.00	36.85	0.00	42.71	0.00	32.11	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13	0.00
1.600	-10.0	-1.5	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11	0.00
1.700	-20.1	-3.1	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09	0.00
1.800	-30.1	-4.6	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06	0.00
1.900	-40.1	-6.2	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04	0.00
1.949	-45.0	-13.9	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	94.9	30.6	125.5	-137.1	113.9 (2-Lane)
1.400	98.3	30.6	128.9	-140.5	117.3 (1-Lane)
1.500	57.5	48.2	105.7	-105.7	105.7 (2-Lane)
1.500	58.2	48.2	106.4	-106.4	106.4 (1-Lane)
1.600	94.9	30.6	125.5	-113.9	137.1 (2-Lane)
1.600	98.3	30.6	128.9	-117.3	140.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2180

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	171.52	1.55	0.00	48.1 (2-Lane)
1.051	196.86	1.78	0.00	55.2 (1-Lane)
1.100	71.45	2.05	0.00	63.5 (2-Lane)
1.100	82.00	2.35	0.00	72.8 (1-Lane)
1.200	20.40	2.04	0.00	63.2 (2-Lane)
1.200	23.41	2.34	0.00	72.6 (1-Lane)
1.300	11.33	2.81	0.00	87.0 (2-Lane)
1.300	13.00	3.22	0.00	99.8 (1-Lane)
1.400	4.95	2.32	0.00	72.0 (2-Lane)
1.400	5.82	2.75	0.00	85.2 (1-Lane)
1.500	2.76	2.76	0.00	85.4 (2-Lane)
1.500	3.18	3.18	0.00	98.7 (1-Lane)
1.600	2.32	4.95	0.00	72.0 (2-Lane)
1.600	2.75	5.82	0.00	85.2 (1-Lane)
1.700	2.81	11.33	0.00	87.0 (2-Lane)
1.700	3.22	13.00	0.00	99.8 (1-Lane)
1.800	2.04	20.40	0.00	63.2 (2-Lane)
1.800	2.34	23.41	0.00	72.6 (1-Lane)
1.900	2.22	71.99	0.00	68.8 (2-Lane)
1.900	2.55	82.63	0.00	79.0 (1-Lane)
1.949	1.63	172.23	0.00	50.6 (2-Lane)
1.949	1.88	197.67	0.00	58.1 (1-Lane)

2.000 999.00 999.00 0.00 999.0 (2-Lane)
 2.000 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2181

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
 Rating Live Load: SU5

Gamma DC DW (2-Lane) (1-Lane)
 1.00 1.00 LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	364.7	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	478.7	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	547.0	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	569.8	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	547.0	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	478.7	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	364.7	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	205.1	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2181

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: SU5
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
 Rating Live Load: SU5

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.84	999.00	9.35	999.00	0.00	290.0 (2-Lane)
1.200	41.24	999.00	12.51	999.00	0.00	387.8 (1-Lane)
1.300	22.38	999.00	6.79	999.00	0.00	210.5 (2-Lane)
1.300	29.93	999.00	9.08	999.00	0.00	281.6 (1-Lane)
1.400	18.86	999.00	5.73	999.00	0.00	177.5 (2-Lane)
1.400	25.23	999.00	7.66	999.00	0.00	237.4 (1-Lane)

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1.500	18.29	999.00	5.55	999.00	0.00 172.2 (2-Lane)
1.500	24.47	999.00	7.43	999.00	0.00 230.3 (1-Lane)
1.600	18.86	999.00	5.73	999.00	0.00 177.5 (2-Lane)
1.600	25.23	999.00	7.66	999.00	0.00 237.4 (1-Lane)
1.700	22.38	999.00	6.79	999.00	0.00 210.5 (2-Lane)
1.700	29.93	999.00	9.08	999.00	0.00 281.6 (1-Lane)
1.800	30.84	999.00	9.35	999.00	0.00 290.0 (2-Lane)
1.800	41.24	999.00	12.51	999.00	0.00 387.8 (1-Lane)
1.900	58.54	999.00	17.75	999.00	0.00 550.1 (2-Lane)
1.900	78.29	999.00	23.73	999.00	0.00 735.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2183

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	455.9	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	598.3	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	683.8	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	712.3	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	683.8	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	598.3	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	455.9	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	256.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2184

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2185

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU6

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	13.41	999.00	13.41	999.00	0.00 466.2 (2-Lane)
1.100	17.94	999.00	17.94	999.00	0.00 623.4 (1-Lane)
1.200	7.09	999.00	7.09	999.00	0.00 246.5 (2-Lane)
1.200	9.49	999.00	9.49	999.00	0.00 329.7 (1-Lane)
1.300	5.30	999.00	5.30	999.00	0.00 184.2 (2-Lane)
1.300	7.09	999.00	7.09	999.00	0.00 246.3 (1-Lane)
1.400	4.61	999.00	4.61	999.00	0.00 160.3 (2-Lane)
1.400	6.17	999.00	6.17	999.00	0.00 214.4 (1-Lane)
1.500	4.45	999.00	4.45	999.00	0.00 154.7 (2-Lane)
1.500	5.95	999.00	5.95	999.00	0.00 206.9 (1-Lane)
1.600	4.61	999.00	4.61	999.00	0.00 160.3 (2-Lane)
1.600	6.17	999.00	6.17	999.00	0.00 214.4 (1-Lane)
1.700	5.30	999.00	5.30	999.00	0.00 184.2 (2-Lane)
1.700	7.09	999.00	7.09	999.00	0.00 246.3 (1-Lane)
1.800	7.09	999.00	7.09	999.00	0.00 246.5 (2-Lane)
1.800	9.49	999.00	9.49	999.00	0.00 329.7 (1-Lane)
1.900	13.33	999.00	13.33	999.00	0.00 463.1 (2-Lane)
1.900	17.82	999.00	17.82	999.00	0.00 619.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	91.25	0.00	68.61	0.00	79.51	0.00	59.78
1.100	46.1	6.2	85.45	0.00	64.25	0.00	74.45	0.00	55.98
1.200	30.1	4.6	73.51	0.00	55.27	0.00	64.05	0.00	48.16
1.300	20.1	3.1	61.58	0.00	46.30	0.00	53.65	0.00	40.34
1.400	10.0	1.5	49.64	0.00	37.32	0.00	43.25	0.00	32.52
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70
1.600	-10.0	-1.5	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52
1.700	-20.1	-3.1	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34
1.800	-30.1	-4.6	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16
1.900	-40.1	-6.2	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98
1.949	-45.0	-13.9	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	91.6	30.6	122.2	-133.8	110.7 (2-Lane)
1.400	95.4	30.6	126.0	-137.6	114.4 (1-Lane)
1.500	54.0	48.2	102.3	-102.3	102.3 (2-Lane)
1.500	55.0	48.2	103.3	-103.3	103.3 (1-Lane)
1.600	91.6	30.6	122.2	-110.7	133.8 (2-Lane)
1.600	95.4	30.6	126.0	-114.4	137.6 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2188

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	253.55	1.46	0.00	50.9 (2-Lane)
1.051	291.02	1.68	0.00	58.4 (1-Lane)
1.100	120.82	1.94	0.00	67.4 (2-Lane)
1.100	138.66	2.23	0.00	77.4 (1-Lane)
1.200	25.78	1.95	0.00	67.8 (2-Lane)
1.200	29.59	2.24	0.00	77.8 (1-Lane)
1.300	12.62	2.72	0.00	94.5 (2-Lane)
1.300	14.48	3.12	0.00	108.4 (1-Lane)
1.400	4.97	2.23	0.00	77.5 (2-Lane)
1.400	5.87	2.65	0.00	91.9 (1-Lane)
1.500	2.71	2.71	0.00	94.3 (2-Lane)
1.500	3.14	3.14	0.00	109.2 (1-Lane)
1.600	2.23	4.97	0.00	77.5 (2-Lane)
1.600	2.65	5.87	0.00	91.9 (1-Lane)
1.700	2.72	12.62	0.00	94.5 (2-Lane)
1.700	3.12	14.48	0.00	108.4 (1-Lane)
1.800	1.95	25.78	0.00	67.8 (2-Lane)
1.800	2.24	29.59	0.00	77.8 (1-Lane)
1.900	2.10	121.73	0.00	73.1 (2-Lane)
1.900	2.41	139.72	0.00	83.9 (1-Lane)
1.949	1.54	254.60	0.00	53.6 (2-Lane)
1.949	1.77	292.21	0.00	61.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2189

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	364.7	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	478.7	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	547.0	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	569.8	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	547.0	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	478.7	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	364.7	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	205.1	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2189

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
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1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2190

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.13	999.00	8.53	999.00	0.00	296.5 (2-Lane)
1.200	37.62	999.00	11.41	999.00	0.00	396.6 (1-Lane)
1.300	20.22	999.00	6.14	999.00	0.00	213.2 (2-Lane)
1.300	27.04	999.00	8.21	999.00	0.00	285.2 (1-Lane)
1.400	17.16	999.00	5.21	999.00	0.00	181.0 (2-Lane)
1.400	22.95	999.00	6.97	999.00	0.00	242.1 (1-Lane)
1.500	16.42	999.00	4.98	999.00	0.00	173.2 (2-Lane)
1.500	21.95	999.00	6.66	999.00	0.00	231.6 (1-Lane)
1.600	17.16	999.00	5.21	999.00	0.00	181.0 (2-Lane)
1.600	22.95	999.00	6.97	999.00	0.00	242.1 (1-Lane)
1.700	20.22	999.00	6.14	999.00	0.00	213.2 (2-Lane)
1.700	27.04	999.00	8.21	999.00	0.00	285.2 (1-Lane)
1.800	28.13	999.00	8.53	999.00	0.00	296.5 (2-Lane)
1.800	37.62	999.00	11.41	999.00	0.00	396.6 (1-Lane)
1.900	55.47	999.00	16.81	999.00	0.00	584.3 (2-Lane)
1.900	74.18	999.00	22.49	999.00	0.00	781.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2191

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	LL	LL	LL				
			1.75		1.75					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	455.9	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	598.3	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	683.8	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	712.3	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	683.8	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	598.3	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	455.9	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	256.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.82	999.00	12.82	999.00	0.00	496.8 (2-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	664.4 (1-Lane)
1.200	6.78	999.00	6.78	999.00	0.00	262.8 (2-Lane)
1.200	9.07	999.00	9.07	999.00	0.00	351.4 (1-Lane)
1.300	4.92	999.00	4.92	999.00	0.00	190.8 (2-Lane)
1.300	6.58	999.00	6.58	999.00	0.00	255.1 (1-Lane)
1.400	4.27	999.00	4.27	999.00	0.00	165.6 (2-Lane)
1.400	5.71	999.00	5.71	999.00	0.00	221.4 (1-Lane)
1.500	4.10	999.00	4.10	999.00	0.00	158.9 (2-Lane)
1.500	5.49	999.00	5.49	999.00	0.00	212.5 (1-Lane)
1.600	4.27	999.00	4.27	999.00	0.00	165.6 (2-Lane)
1.600	5.71	999.00	5.71	999.00	0.00	221.4 (1-Lane)
1.700	4.92	999.00	4.92	999.00	0.00	190.8 (2-Lane)
1.700	6.58	999.00	6.58	999.00	0.00	255.1 (1-Lane)
1.800	6.78	999.00	6.78	999.00	0.00	262.8 (2-Lane)
1.800	9.07	999.00	9.07	999.00	0.00	351.4 (1-Lane)
1.900	12.74	999.00	12.74	999.00	0.00	493.6 (2-Lane)
1.900	17.03	999.00	17.03	999.00	0.00	660.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-INV

Rating Live Load: SU7

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	95.88	0.00	72.09	0.00	83.54	0.00	62.81	0.00
1.100	46.1	6.2	89.41	0.00	67.23	0.00	77.90	0.00	58.57	0.00
1.200	30.1	4.6	76.10	0.00	57.22	0.00	66.30	0.00	49.85	0.00
1.300	20.1	3.1	62.78	0.00	47.21	0.00	54.70	0.00	41.13	0.00
1.400	10.0	1.5	49.47	0.00	37.20	0.00	43.10	0.00	32.41	0.00

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1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05
1.600	-10.0	-1.5	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41
1.700	-20.1	-3.1	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13
1.800	-30.1	-4.6	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85
1.900	-40.1	-6.2	-89.41	0.00	-67.23	0.00	-77.90	0.00	-58.57
1.949	-45.0	-13.9	-95.88	0.00	-72.09	0.00	-83.54	0.00	-62.81
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-INV

Rating Live Load:

SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	88.3	30.6	118.9	-130.4	107.3 (2-Lane)
1.400	92.3	30.6	122.8	-134.4	111.3 (1-Lane)
1.500	51.0	48.2	99.3	-99.3	99.3 (2-Lane)
1.500	52.2	48.2	100.4	-100.4	100.4 (1-Lane)
1.600	88.3	30.6	118.9	-107.3	130.4 (2-Lane)
1.600	92.3	30.6	122.8	-111.3	134.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-INV

Rating Live Load:

SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	253.55	1.39	0.00	54.0 (2-Lane)
1.051	291.02	1.60	0.00	61.9 (1-Lane)
1.100	136.84	1.85	0.00	71.8 (2-Lane)
1.100	157.05	2.13	0.00	82.4 (1-Lane)
1.200	34.03	1.88	0.00	73.0 (2-Lane)
1.200	39.06	2.16	0.00	83.8 (1-Lane)
1.300	14.48	2.67	0.00	103.3 (2-Lane)
1.300	16.62	3.06	0.00	118.6 (1-Lane)
1.400	5.14	2.17	0.00	84.0 (2-Lane)
1.400	6.08	2.58	0.00	100.0 (1-Lane)
1.500	2.70	2.70	0.00	104.8 (2-Lane)
1.500	3.14	3.14	0.00	121.6 (1-Lane)
1.600	2.17	5.14	0.00	84.0 (2-Lane)
1.600	2.58	6.08	0.00	100.0 (1-Lane)
1.700	2.67	14.48	0.00	103.3 (2-Lane)
1.700	3.06	16.62	0.00	118.6 (1-Lane)
1.800	1.88	34.03	0.00	73.0 (2-Lane)
1.800	2.16	39.06	0.00	83.8 (1-Lane)
1.900	2.01	137.88	0.00	77.9 (2-Lane)
1.900	2.31	158.25	0.00	89.4 (1-Lane)
1.949	1.47	254.60	0.00	56.9 (2-Lane)
1.949	1.68	292.21	0.00	65.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	LL		
	1.00	1.00	0.80	(2-Lane)	(1-Lane)
					0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	364.7	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	478.7	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	547.0	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	569.8	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	547.0	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	478.7	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	364.7	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	205.1	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	105.4	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2197

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span	top +bend	Rating Factor		bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
		top fiber -bend	bottom fiber -bend				
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	999.00	0.00	842.0 (1-Lane)
1.200	26.89	999.00	8.16	999.00	999.00	0.00	316.1 (2-Lane)
1.200	35.97	999.00	10.91	999.00	999.00	0.00	422.7 (1-Lane)
1.300	18.78	999.00	5.70	999.00	999.00	0.00	220.9 (2-Lane)
1.300	25.12	999.00	7.62	999.00	999.00	0.00	295.4 (1-Lane)
1.400	15.90	999.00	4.83	999.00	999.00	0.00	187.0 (2-Lane)
1.400	21.26	999.00	6.45	999.00	999.00	0.00	250.1 (1-Lane)
1.500	15.12	999.00	4.59	999.00	999.00	0.00	178.0 (2-Lane)
1.500	20.23	999.00	6.14	999.00	999.00	0.00	238.0 (1-Lane)
1.600	15.90	999.00	4.83	999.00	999.00	0.00	187.0 (2-Lane)
1.600	21.26	999.00	6.45	999.00	999.00	0.00	250.1 (1-Lane)
1.700	18.78	999.00	5.70	999.00	999.00	0.00	220.9 (2-Lane)
1.700	25.12	999.00	7.62	999.00	999.00	0.00	295.4 (1-Lane)

1.800	26.89	999.00	8.16	999.00	0.00	316.1	(2-Lane)
1.800	35.97	999.00	10.91	999.00	0.00	422.7	(1-Lane)
1.900	53.01	999.00	16.07	999.00	0.00	622.7	(2-Lane)
1.900	70.90	999.00	21.49	999.00	0.00	832.8	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	455.9	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	598.3	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	683.8	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	712.3	109.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	683.8	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	598.3	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	455.9	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	256.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	Rating top +bend	Fiber fiber -bend	Factor bottom +bend	Fiber fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.2 (2-Lane)
1.100	17.73	999.00	17.73	999.00	0.00	638.2 (1-Lane)
1.200	7.28	999.00	7.28	999.00	0.00	262.0 (2-Lane)
1.200	9.73	999.00	9.73	999.00	0.00	350.4 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.300	5.55	999.00	5.55	999.00	0.00 199.7 (2-Lane)
1.300	7.42	999.00	7.42	999.00	0.00 267.1 (1-Lane)
1.400	4.85	999.00	4.85	999.00	0.00 174.5 (2-Lane)
1.400	6.48	999.00	6.48	999.00	0.00 233.4 (1-Lane)
1.500	4.74	999.00	4.74	999.00	0.00 170.7 (2-Lane)
1.500	6.34	999.00	6.34	999.00	0.00 228.2 (1-Lane)
1.600	4.85	999.00	4.85	999.00	0.00 174.5 (2-Lane)
1.600	6.48	999.00	6.48	999.00	0.00 233.4 (1-Lane)
1.700	5.55	999.00	5.55	999.00	0.00 199.7 (2-Lane)
1.700	7.42	999.00	7.42	999.00	0.00 267.1 (1-Lane)
1.800	7.28	999.00	7.28	999.00	0.00 262.0 (2-Lane)
1.800	9.73	999.00	9.73	999.00	0.00 350.4 (1-Lane)
1.900	13.17	999.00	13.17	999.00	0.00 474.1 (2-Lane)
1.900	17.61	999.00	17.61	999.00	0.00 634.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	91.11	72.55	0.00	79.38	0.00	63.21
1.100	46.1	6.2	84.85	0.00	67.43	0.00	73.93	58.75
1.200	30.1	4.6	72.23	0.00	57.18	0.00	62.93	49.82
1.300	20.1	3.1	59.97	0.00	47.29	0.00	52.25	41.21
1.400	10.0	1.5	48.08	0.00	37.77	0.00	41.89	32.91
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	24.92
1.600	-10.0	-1.5	-48.08	0.00	-37.77	0.00	-41.89	-32.91
1.700	-20.1	-3.1	-59.97	0.00	-47.29	0.00	-52.25	-41.21
1.800	-30.1	-4.6	-72.23	0.00	-57.18	0.00	-62.93	-49.82
1.900	-40.1	-6.2	-84.85	0.00	-67.43	0.00	-73.93	-58.75
1.949	-45.0	-13.9	-91.11	0.00	-72.55	0.00	-79.38	-63.21
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	91.9	30.6	122.5	-134.1	110.9 (2-Lane)
1.400	95.5	30.6	126.0	-137.6	114.5 (1-Lane)
1.500	54.3	48.2	102.5	-102.5	102.5 (2-Lane)
1.500	55.1	48.2	103.3	-103.3	103.3 (1-Lane)
1.600	91.9	30.6	122.5	-110.9	134.1 (2-Lane)
1.600	95.5	30.6	126.0	-114.5	137.6 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2204

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	118.12	1.47	0.00	52.8 (2-Lane)
1.051	135.57	1.68	0.00	60.6 (1-Lane)
1.100	62.98	1.95	0.00	70.3 (2-Lane)
1.100	72.28	2.24	0.00	80.7 (1-Lane)
1.200	18.29	1.99	0.00	71.5 (2-Lane)
1.200	20.99	2.28	0.00	82.0 (1-Lane)
1.300	11.15	2.79	0.00	100.5 (2-Lane)
1.300	12.80	3.20	0.00	115.3 (1-Lane)
1.400	4.95	2.31	0.00	83.0 (2-Lane)
1.400	5.84	2.73	0.00	98.4 (1-Lane)
1.500	2.81	2.81	0.00	101.0 (2-Lane)
1.500	3.24	3.24	0.00	116.8 (1-Lane)
1.600	2.31	4.95	0.00	83.0 (2-Lane)
1.600	2.73	5.84	0.00	98.4 (1-Lane)
1.700	2.79	11.15	0.00	100.5 (2-Lane)
1.700	3.20	12.80	0.00	115.3 (1-Lane)
1.800	1.99	18.29	0.00	71.5 (2-Lane)
1.800	2.28	20.99	0.00	82.0 (1-Lane)
1.900	2.12	60.89	0.00	76.3 (2-Lane)
1.900	2.43	69.89	0.00	87.5 (1-Lane)
1.949	1.54	116.06	0.00	55.6 (2-Lane)
1.949	1.77	133.21	0.00	63.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	455.9	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	598.3	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	683.8	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	712.3	109.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	683.8	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	598.3	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	455.9	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	256.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9

9999999_20120831cy17_FlexuralRpt.txt
1.949 6096.9 6096.9 0.0 0.0 5965.1 5965.1 -131.8 -131.8
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.33	999.00	16.33	999.00	326.65	588.0 (2-Lane)
1.100	21.84	999.00	21.84	999.00	436.86	786.3 (1-Lane)
1.200	9.02	999.00	9.02	999.00	180.34	324.6 (2-Lane)
1.200	12.06	999.00	12.06	999.00	241.18	434.1 (1-Lane)
1.300	6.92	999.00	6.92	999.00	138.46	249.2 (2-Lane)
1.300	9.26	999.00	9.26	999.00	185.17	333.3 (1-Lane)
1.400	6.08	999.00	6.08	999.00	121.53	218.8 (2-Lane)
1.400	8.13	999.00	8.13	999.00	162.53	292.6 (1-Lane)
1.500	5.98	999.00	5.98	999.00	119.59	215.3 (2-Lane)
1.500	8.00	999.00	8.00	999.00	159.94	287.9 (1-Lane)
1.600	6.08	999.00	6.08	999.00	121.53	218.8 (2-Lane)
1.600	8.13	999.00	8.13	999.00	162.53	292.6 (1-Lane)
1.700	6.92	999.00	6.92	999.00	138.46	249.2 (2-Lane)
1.700	9.26	999.00	9.26	999.00	185.17	333.3 (1-Lane)
1.800	9.02	999.00	9.02	999.00	180.34	324.6 (2-Lane)
1.800	12.06	999.00	12.06	999.00	241.18	434.1 (1-Lane)
1.900	16.23	999.00	16.23	999.00	324.52	584.1 (2-Lane)
1.900	21.70	999.00	21.70	999.00	434.01	781.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	74.82	0.00	56.26	0.00	65.19	0.00
1.100	46.1	6.2	70.18	0.00	52.77	0.00	61.15	0.00
1.200	30.1	4.6	60.64	0.00	45.60	0.00	52.84	0.00
1.300	20.1	3.1	51.10	0.00	38.42	0.00	44.52	0.00
1.400	10.0	1.5	41.56	0.00	31.25	0.00	36.21	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00
1.600	-10.0	-1.5	-41.56	0.00	-31.25	0.00	-36.21	0.00
1.700	-20.1	-3.1	-51.10	0.00	-38.42	0.00	-44.52	0.00
1.800	-30.1	-4.6	-60.64	0.00	-45.60	0.00	-52.84	0.00
1.900	-40.1	-6.2	-70.18	0.00	-52.77	0.00	-61.15	0.00
1.949	-45.0	-13.9	-74.82	0.00	-56.26	0.00	-65.19	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2210

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: HS20

Available Resistance for LL+I

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	92.6	30.6	123.1	-134.7	111.6 (2-Lane)
1.400	95.2	30.6	125.8	-137.3	114.2 (1-Lane)
1.500	54.1	48.2	102.3	-102.3	102.3 (2-Lane)
1.500	54.1	48.2	102.4	-102.4	102.4 (1-Lane)
1.600	92.6	30.6	123.1	-111.6	134.7 (2-Lane)
1.600	95.2	30.6	125.8	-114.2	137.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	118.12	1.78	35.70	64.3 (2-Lane)
1.051	135.57	2.05	40.97	73.7 (1-Lane)
1.100	63.75	2.36	47.23	85.0 (2-Lane)
1.100	73.16	2.71	54.21	97.6 (1-Lane)
1.200	25.10	2.37	47.29	85.1 (2-Lane)
1.200	28.81	2.71	54.28	97.7 (1-Lane)
1.300	14.26	3.28	65.52	117.9 (2-Lane)
1.300	16.37	3.76	75.20	135.4 (1-Lane)
1.400	5.74	2.68	53.68	96.6 (2-Lane)
1.400	6.72	3.15	63.07	113.5 (1-Lane)
1.500	3.19	3.19	63.89	115.0 (2-Lane)
1.500	3.67	3.67	73.39	132.1 (1-Lane)
1.600	2.68	5.74	53.68	96.6 (2-Lane)
1.600	3.15	6.72	63.07	113.5 (1-Lane)
1.700	3.28	14.26	65.52	117.9 (2-Lane)
1.700	3.76	16.37	75.20	135.4 (1-Lane)
1.800	2.37	25.10	47.29	85.1 (2-Lane)
1.800	2.71	28.81	54.28	97.7 (1-Lane)
1.900	2.56	64.23	51.21	92.2 (2-Lane)
1.900	2.94	73.72	58.78	105.8 (1-Lane)
1.949	1.88	118.61	37.62	67.7 (2-Lane)
1.949	2.16	136.13	43.18	77.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.35			1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00
1.200	455.9	70.2	451.54 R	0.00	339.51	0.00
1.300	598.3	92.1	576.07 R	0.00	433.13	0.00
1.400	683.8	105.3	647.36 R	0.00	486.74	0.00
1.500	712.3	109.7	660.67 R	0.00	496.74	0.00

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1.600	683.8	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95
1.700	598.3	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87
1.800	455.9	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86
1.900	256.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.50	999.00	22.50	999.00	0.00	562.5 (2-Lane)
1.100	30.09	999.00	30.09	999.00	0.00	752.3 (1-Lane)
1.200	12.34	999.00	12.34	999.00	0.00	308.4 (2-Lane)
1.200	16.50	999.00	16.50	999.00	0.00	412.5 (1-Lane)
1.300	9.39	999.00	9.39	999.00	0.00	234.6 (2-Lane)
1.300	12.55	999.00	12.55	999.00	0.00	313.8 (1-Lane)
1.400	8.20	999.00	8.20	999.00	0.00	205.0 (2-Lane)
1.400	10.97	999.00	10.97	999.00	0.00	274.1 (1-Lane)
1.500	7.98	999.00	7.98	999.00	0.00	199.6 (2-Lane)
1.500	10.68	999.00	10.68	999.00	0.00	266.9 (1-Lane)
1.600	8.20	999.00	8.20	999.00	0.00	205.0 (2-Lane)
1.600	10.97	999.00	10.97	999.00	0.00	274.1 (1-Lane)
1.700	9.39	999.00	9.39	999.00	0.00	234.6 (2-Lane)
1.700	12.55	999.00	12.55	999.00	0.00	313.8 (1-Lane)
1.800	12.34	999.00	12.34	999.00	0.00	308.4 (2-Lane)
1.800	16.50	999.00	16.50	999.00	0.00	412.5 (1-Lane)
1.900	22.35	999.00	22.35	999.00	0.00	558.8 (2-Lane)
1.900	29.89	999.00	29.89	999.00	0.00	747.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3

(2-Lane)

(1-Lane)

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Gamma	DC 1.25	DW 1.25	LL 1.35				LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane		Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	46.1	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	30.1	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	20.1	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	10.0	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-10.0	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-20.1	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-30.1	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-40.1	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-45.0	-13.9	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: I-OPER
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	87.5	30.6	118.0	-129.6	106.5 (2-Lane)
1.400	89.0	30.6	119.5	-131.1	108.0 (1-Lane)
1.500	49.0	48.2	97.2	-97.2	97.2 (2-Lane)
1.500	48.3	48.2	96.5	-96.5	96.5 (1-Lane)
1.600	87.5	30.6	118.1	-106.5	129.6 (2-Lane)
1.600	89.0	30.6	119.5	-108.0	131.1 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: I-OPER
Rating Live Load: 3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	222.34	2.46	0.00	61.6 (2-Lane)
1.051	255.19	2.83	0.00	70.7 (1-Lane)
1.100	92.62	3.25	0.00	81.3 (2-Lane)
1.100	106.30	3.73	0.00	93.3 (1-Lane)
1.200	28.67	3.23	0.00	80.9 (2-Lane)
1.200	32.91	3.71	0.00	92.8 (1-Lane)
1.300	17.92	4.44	0.00	111.0 (2-Lane)
1.300	20.56	5.10	0.00	127.4 (1-Lane)
1.400	7.27	3.43	0.00	85.7 (2-Lane)
1.400	8.44	3.99	0.00	99.7 (1-Lane)
1.500	3.98	3.98	0.00	99.4 (2-Lane)
1.500	4.53	4.53	0.00	113.3 (1-Lane)
1.600	3.43	7.27	0.00	85.7 (2-Lane)
1.600	3.99	8.44	0.00	99.7 (1-Lane)
1.700	4.44	17.92	0.00	111.0 (2-Lane)
1.700	5.10	20.56	0.00	127.4 (1-Lane)
1.800	3.23	28.67	0.00	80.9 (2-Lane)
1.800	3.71	32.91	0.00	92.8 (1-Lane)

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1.900	3.53	93.32	0.00	88.2 (2-Lane)
1.900	4.05	107.11	0.00	101.2 (1-Lane)
1.949	2.60	223.26	0.00	65.0 (2-Lane)
1.949	2.98	256.24	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	455.9	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	598.3	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	683.8	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	712.3	109.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	683.8	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	598.3	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	455.9	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	256.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.07	999.00	19.07	999.00	0.00	762.6 (2-Lane)
1.100	25.50	999.00	25.50	999.00	0.00	999.0 (1-Lane)
1.200	11.04	999.00	11.04	999.00	0.00	441.7 (2-Lane)
1.200	14.77	999.00	14.77	999.00	0.00	590.7 (1-Lane)
1.300	8.19	999.00	8.19	999.00	0.00	327.5 (2-Lane)
1.300	10.95	999.00	10.95	999.00	0.00	437.9 (1-Lane)
1.400	7.26	999.00	7.26	999.00	0.00	290.4 (2-Lane)

1.400	9.71	999.00	9.71	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 388.4 (1-Lane)
1.500	7.35	999.00	7.35	999.00	0.00 294.0 (2-Lane)
1.500	9.83	999.00	9.83	999.00	0.00 393.2 (1-Lane)
1.600	7.26	999.00	7.26	999.00	0.00 290.4 (2-Lane)
1.600	9.71	999.00	9.71	999.00	0.00 388.4 (1-Lane)
1.700	8.19	999.00	8.19	999.00	0.00 327.5 (2-Lane)
1.700	10.95	999.00	10.95	999.00	0.00 437.9 (1-Lane)
1.800	11.04	999.00	11.04	999.00	0.00 441.7 (2-Lane)
1.800	14.77	999.00	14.77	999.00	0.00 590.7 (1-Lane)
1.900	18.94	999.00	18.94	999.00	0.00 757.7 (2-Lane)
1.900	25.33	999.00	25.33	999.00	0.00 999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	LL	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	46.1	6.2	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	30.1	4.6	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	20.1	3.1	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	10.0	1.5	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-10.0	-1.5	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-20.1	-3.1	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-30.1	-4.6	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-40.1	-6.2	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-45.0	-13.9	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	83.0	30.6	113.5	-125.1	102.0 (2-Lane)
1.400	84.9	30.6	115.5	-127.1	103.9 (1-Lane)
1.500	44.0	48.2	92.2	-92.2	92.2 (2-Lane)
1.500	43.6	48.2	91.8	-91.8	91.8 (1-Lane)
1.600	83.0	30.6	113.5	-102.0	125.1 (2-Lane)
1.600	84.9	30.6	115.5	-103.9	127.1 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	222.34	2.57	0.00	102.7 (2-Lane)
1.051	255.19	2.95	0.00	117.8 (1-Lane)
1.100	92.62	2.76	0.00	110.3 (2-Lane)
1.100	106.30	3.16	0.00	126.6 (1-Lane)
1.200	28.67	2.90	0.00	115.8 (2-Lane)
1.200	32.91	3.32	0.00	132.9 (1-Lane)
1.300	17.92	4.26	0.00	170.5 (2-Lane)
1.300	20.56	4.89	0.00	195.7 (1-Lane)
1.400	7.61	3.34	0.00	133.7 (2-Lane)
1.400	8.88	3.91	0.00	156.4 (1-Lane)
1.500	4.21	4.21	0.00	168.5 (2-Lane)
1.500	4.81	4.81	0.00	192.5 (1-Lane)
1.600	3.34	7.61	0.00	133.7 (2-Lane)
1.600	3.91	8.88	0.00	156.4 (1-Lane)
1.700	4.26	17.92	0.00	170.5 (2-Lane)
1.700	4.89	20.56	0.00	195.7 (1-Lane)
1.800	2.90	28.67	0.00	115.8 (2-Lane)
1.800	3.32	32.91	0.00	132.9 (1-Lane)
1.900	2.99	93.32	0.00	119.6 (2-Lane)
1.900	3.43	107.11	0.00	137.2 (1-Lane)
1.949	2.16	223.26	0.00	86.2 (2-Lane)
1.949	2.47	256.24	0.00	99.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	455.9	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	598.3	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	683.8	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	712.3	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	683.8	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	598.3	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	455.9	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	256.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.22	999.00	22.22	999.00	0.00	888.6 (2-Lane)
1.100	29.71	999.00	29.71	999.00	0.00	999.0 (1-Lane)
1.200	12.84	999.00	12.84	999.00	0.00	513.6 (2-Lane)
1.200	17.17	999.00	17.17	999.00	0.00	686.8 (1-Lane)
1.300	9.95	999.00	9.95	999.00	0.00	397.9 (2-Lane)
1.300	13.30	999.00	13.30	999.00	0.00	532.1 (1-Lane)
1.400	9.30	999.00	9.30	999.00	0.00	371.9 (2-Lane)
1.400	12.43	999.00	12.43	999.00	0.00	497.3 (1-Lane)
1.500	8.71	999.00	8.71	999.00	0.00	348.5 (2-Lane)
1.500	11.65	999.00	11.65	999.00	0.00	466.1 (1-Lane)
1.600	9.30	999.00	9.30	999.00	0.00	371.9 (2-Lane)
1.600	12.43	999.00	12.43	999.00	0.00	497.3 (1-Lane)
1.700	9.95	999.00	9.95	999.00	0.00	397.9 (2-Lane)
1.700	13.30	999.00	13.30	999.00	0.00	532.1 (1-Lane)
1.800	12.84	999.00	12.84	999.00	0.00	513.6 (2-Lane)
1.800	17.17	999.00	17.17	999.00	0.00	686.8 (1-Lane)
1.900	22.07	999.00	22.07	999.00	0.00	882.8 (2-Lane)
1.900	29.52	999.00	29.52	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.35	LL	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	55.98	0.00	42.09	0.00
1.100	46.1	6.2	51.60	0.00	38.80	0.00
1.200	30.1	4.6	42.59	0.00	32.02	0.00
1.300	20.1	3.1	33.58	0.00	25.25	0.00
1.400	10.0	1.5	26.21	0.00	19.71	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00
1.600	-10.0	-1.5	-26.21	0.00	-19.71	0.00
1.700	-20.1	-3.1	-33.58	0.00	-25.25	0.00
1.800	-30.1	-4.6	-42.59	0.00	-32.02	0.00
1.900	-40.1	-6.2	-51.60	0.00	-38.80	0.00
1.949	-45.0	-13.9	-55.98	0.00	-42.09	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: 3-3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	83.2	30.6	113.8	-125.4	102.2 (2-Lane)
1.400	84.3	30.6	114.9	-126.5	103.3 (1-Lane)
1.500	44.1	48.2	92.3	-92.3	92.3 (2-Lane)
1.500	43.3	48.2	91.6	-91.6	91.6 (1-Lane)
1.600	83.2	30.6	113.8	-102.2	125.4 (2-Lane)
1.600	84.3	30.6	114.9	-103.4	126.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	269.99	2.39	0.00	95.4 (2-Lane)
1.051	309.88	2.74	0.00	109.5 (1-Lane)
1.100	112.46	3.21	0.00	128.5 (2-Lane)
1.100	129.08	3.69	0.00	147.5 (1-Lane)
1.200	34.82	3.37	0.00	134.7 (2-Lane)
1.200	39.97	3.86	0.00	154.6 (1-Lane)
1.300	21.76	4.99	0.00	199.4 (2-Lane)
1.300	24.97	5.72	0.00	228.9 (1-Lane)
1.400	8.62	3.90	0.00	156.0 (2-Lane)
1.400	9.98	4.53	0.00	181.0 (1-Lane)
1.500	4.53	4.53	0.00	181.2 (2-Lane)
1.500	5.16	5.16	0.00	206.3 (1-Lane)
1.600	3.90	8.62	0.00	156.0 (2-Lane)
1.600	4.53	9.98	0.00	181.0 (1-Lane)
1.700	4.99	21.76	0.00	199.4 (2-Lane)
1.700	5.72	24.97	0.00	228.9 (1-Lane)
1.800	3.37	34.82	0.00	134.7 (2-Lane)
1.800	3.86	39.97	0.00	154.6 (1-Lane)
1.900	3.48	113.32	0.00	139.3 (2-Lane)
1.900	4.00	130.06	0.00	159.9 (1-Lane)
1.949	2.51	271.10	0.00	100.6 (2-Lane)
1.949	2.88	311.15	0.00	115.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00
1.200	455.9	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00
1.300	598.3	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00
1.400	683.8	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00
1.500	712.3	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00
1.600	683.8	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00
1.700	598.3	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00
1.800	455.9	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00
1.900	256.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00

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1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.37	999.00	20.37	999.00	0.00	549.9 (2-Lane)
1.100	27.24	999.00	27.24	999.00	0.00	735.5 (1-Lane)
1.200	11.13	999.00	11.13	999.00	0.00	300.6 (2-Lane)
1.200	14.89	999.00	14.89	999.00	0.00	402.0 (1-Lane)
1.300	8.43	999.00	8.43	999.00	0.00	227.6 (2-Lane)
1.300	11.27	999.00	11.27	999.00	0.00	304.4 (1-Lane)
1.400	7.26	999.00	7.26	999.00	0.00	196.0 (2-Lane)
1.400	9.71	999.00	9.71	999.00	0.00	262.1 (1-Lane)
1.500	7.01	999.00	7.01	999.00	0.00	189.4 (2-Lane)
1.500	9.38	999.00	9.38	999.00	0.00	253.3 (1-Lane)
1.600	7.26	999.00	7.26	999.00	0.00	196.0 (2-Lane)
1.600	9.71	999.00	9.71	999.00	0.00	262.1 (1-Lane)
1.700	8.43	999.00	8.43	999.00	0.00	227.6 (2-Lane)
1.700	11.27	999.00	11.27	999.00	0.00	304.4 (1-Lane)
1.800	11.13	999.00	11.13	999.00	0.00	300.6 (2-Lane)
1.800	14.89	999.00	14.89	999.00	0.00	402.0 (1-Lane)
1.900	20.24	999.00	20.24	999.00	0.00	546.4 (2-Lane)
1.900	27.06	999.00	27.06	999.00	0.00	730.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	LL	DW	LL	LL	LL	LL	LL
	1.25		1.25		1.35			1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	46.1	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	30.1	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	20.1	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	10.0	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-10.0	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-20.1	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-30.1	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-40.1	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-45.0	-13.9	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	89.3	30.6	119.9	-131.5	108.3 (2-Lane)
1.400	91.2	30.6	121.8	-133.4	110.2 (1-Lane)
1.500	51.4	48.2	99.6	-99.6	99.6 (2-Lane)
1.500	51.0	48.2	99.2	-99.2	99.2 (1-Lane)
1.600	89.3	30.6	119.9	-108.3	131.5 (2-Lane)
1.600	91.2	30.6	121.8	-110.2	133.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2239

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	222.34	2.23	0.00	60.3 (2-Lane)
1.051	255.19	2.57	0.00	69.3 (1-Lane)
1.100	92.62	2.94	0.00	79.5 (2-Lane)
1.100	106.30	3.38	0.00	91.3 (1-Lane)
1.200	26.44	2.92	0.00	78.8 (2-Lane)
1.200	30.35	3.35	0.00	90.5 (1-Lane)
1.300	15.70	3.99	0.00	107.7 (2-Lane)
1.300	18.02	4.58	0.00	123.6 (1-Lane)
1.400	6.41	3.11	0.00	84.0 (2-Lane)
1.400	7.47	3.63	0.00	98.1 (1-Lane)
1.500	3.60	3.60	0.00	97.2 (2-Lane)
1.500	4.12	4.12	0.00	111.2 (1-Lane)
1.600	3.11	6.41	0.00	84.0 (2-Lane)
1.600	3.63	7.47	0.00	98.1 (1-Lane)
1.700	3.99	15.70	0.00	107.7 (2-Lane)
1.700	4.58	18.02	0.00	123.6 (1-Lane)
1.800	2.92	26.44	0.00	78.8 (2-Lane)
1.800	3.35	30.35	0.00	90.5 (1-Lane)
1.900	3.19	93.32	0.00	86.2 (2-Lane)
1.900	3.66	107.11	0.00	99.0 (1-Lane)
1.949	2.36	223.26	0.00	63.6 (2-Lane)

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1.949	2.70	256.24	0.00	73.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00
1.200	455.9	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00
1.300	598.3	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00
1.400	683.8	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00
1.500	712.3	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00
1.600	683.8	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00
1.700	598.3	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00
1.800	455.9	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00
1.900	256.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.35	999.00	18.35	999.00	0.00	568.9 (2-Lane)
1.100	24.55	999.00	24.55	999.00	0.00	760.9 (1-Lane)
1.200	10.08	999.00	10.08	999.00	0.00	312.5 (2-Lane)
1.200	13.48	999.00	13.48	999.00	0.00	417.9 (1-Lane)
1.300	7.60	999.00	7.60	999.00	0.00	235.7 (2-Lane)
1.300	10.17	999.00	10.17	999.00	0.00	315.3 (1-Lane)
1.400	6.57	999.00	6.57	999.00	0.00	203.8 (2-Lane)
1.400	8.79	999.00	8.79	999.00	0.00	272.5 (1-Lane)
1.500	6.43	999.00	6.43	999.00	0.00	199.3 (2-Lane)
1.500	8.60	999.00	8.60	999.00	0.00	266.6 (1-Lane)

1.600	6.57	999.00	6.57	999.00	0.00	203.8	(2-Lane)
1.600	8.79	999.00	8.79	999.00	0.00	272.5	(1-Lane)
1.700	7.60	999.00	7.60	999.00	0.00	235.7	(2-Lane)
1.700	10.17	999.00	10.17	999.00	0.00	315.3	(1-Lane)
1.800	10.08	999.00	10.08	999.00	0.00	312.5	(2-Lane)
1.800	13.48	999.00	13.48	999.00	0.00	417.9	(1-Lane)
1.900	18.23	999.00	18.23	999.00	0.00	565.2	(2-Lane)
1.900	24.39	999.00	24.39	999.00	0.00	755.9	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	46.1	6.2	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	30.1	4.6	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	20.1	3.1	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	10.0	1.5	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-10.0	-1.5	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-20.1	-3.1	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-30.1	-4.6	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-40.1	-6.2	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-45.0	-13.9	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	90.3	30.6	120.8	-132.4	109.3 (2-Lane)
1.400	92.6	30.6	123.1	-134.7	111.6 (1-Lane)
1.500	52.4	48.2	100.6	-100.6	100.6 (2-Lane)
1.500	52.2	48.2	100.5	-100.5	100.5 (1-Lane)
1.600	90.3	30.6	120.8	-109.3	132.4 (2-Lane)
1.600	92.6	30.6	123.1	-111.6	134.7 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	222.34	2.01	0.00	62.3 (2-Lane)
1.051	255.19	2.31	0.00	71.5 (1-Lane)
1.100	92.62	2.65	0.00	82.3 (2-Lane)
1.100	106.30	3.05	0.00	94.4 (1-Lane)
1.200	26.44	2.64	0.00	82.0 (2-Lane)
1.200	30.35	3.03	0.00	94.1 (1-Lane)
1.300	14.68	3.64	0.00	112.8 (2-Lane)
1.300	16.85	4.17	0.00	129.4 (1-Lane)
1.400	6.19	2.89	0.00	89.6 (2-Lane)
1.400	7.23	3.39	0.00	105.0 (1-Lane)
1.500	3.40	3.40	0.00	105.4 (2-Lane)
1.500	3.90	3.90	0.00	120.8 (1-Lane)
1.600	2.89	6.19	0.00	89.6 (2-Lane)
1.600	3.39	7.23	0.00	105.0 (1-Lane)
1.700	3.64	14.68	0.00	112.8 (2-Lane)
1.700	4.17	16.85	0.00	129.4 (1-Lane)
1.800	2.64	26.44	0.00	82.0 (2-Lane)
1.800	3.03	30.35	0.00	94.1 (1-Lane)
1.900	2.88	93.32	0.00	89.2 (2-Lane)
1.900	3.30	107.11	0.00	102.4 (1-Lane)
1.949	2.12	223.26	0.00	65.7 (2-Lane)
1.949	2.43	256.24	0.00	75.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00	0.00	0.00
1.200	455.9	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00	0.00	0.00
1.300	598.3	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00	0.00	0.00
1.400	683.8	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00	0.00	0.00
1.500	712.3	109.7	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00	0.00	0.00
1.600	683.8	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00	0.00	0.00
1.700	598.3	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00	0.00	0.00
1.800	455.9	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00	0.00	0.00
1.900	256.4	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00	0.00	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU6

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.39	999.00	17.39	999.00	0.00	604.3 (2-Lane)
1.100	23.26	999.00	23.26	999.00	0.00	808.2 (1-Lane)
1.200	9.20	999.00	9.20	999.00	0.00	319.6 (2-Lane)
1.200	12.30	999.00	12.30	999.00	0.00	427.4 (1-Lane)
1.300	6.87	999.00	6.87	999.00	0.00	238.7 (2-Lane)
1.300	9.19	999.00	9.19	999.00	0.00	319.3 (1-Lane)
1.400	5.98	999.00	5.98	999.00	0.00	207.8 (2-Lane)
1.400	8.00	999.00	8.00	999.00	0.00	277.9 (1-Lane)
1.500	5.77	999.00	5.77	999.00	0.00	200.5 (2-Lane)
1.500	7.72	999.00	7.72	999.00	0.00	268.1 (1-Lane)
1.600	5.98	999.00	5.98	999.00	0.00	207.8 (2-Lane)
1.600	8.00	999.00	8.00	999.00	0.00	277.9 (1-Lane)
1.700	6.87	999.00	6.87	999.00	0.00	238.7 (2-Lane)
1.700	9.19	999.00	9.19	999.00	0.00	319.3 (1-Lane)
1.800	9.20	999.00	9.20	999.00	0.00	319.6 (2-Lane)
1.800	12.30	999.00	12.30	999.00	0.00	427.4 (1-Lane)
1.900	17.28	999.00	17.28	999.00	0.00	600.3 (2-Lane)
1.900	23.10	999.00	23.10	999.00	0.00	802.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2251

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	48.1	6.9	70.40	0.00	52.93	0.00	61.33	0.00
1.100	46.1	6.2	65.92	0.00	49.56	0.00	57.43	0.00
1.200	30.1	4.6	56.71	0.00	42.64	0.00	49.41	0.00
1.300	20.1	3.1	47.50	0.00	35.71	0.00	41.39	0.00
1.400	10.0	1.5	38.29	0.00	28.79	0.00	33.36	0.00
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00
1.600	-10.0	-1.5	-38.29	0.00	-28.79	0.00	-33.36	0.00
1.700	-20.1	-3.1	-47.50	0.00	-35.71	0.00	-41.39	0.00
1.800	-30.1	-4.6	-56.71	0.00	-42.64	0.00	-49.41	0.00
1.900	-40.1	-6.2	-65.92	0.00	-49.56	0.00	-57.43	0.00
1.949	-45.0	-13.9	-70.40	0.00	-52.93	0.00	-61.33	0.00
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER

Rating Live Load: SU6

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)

1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	87.6	30.6	118.2	-129.7	106.6 (2-Lane)
1.400	90.2	30.6	120.8	-132.4	109.3 (1-Lane)
1.500	49.5	48.2	97.8	-97.8	97.8 (2-Lane)
1.500	49.7	48.2	98.0	-98.0	98.0 (1-Lane)
1.600	87.6	30.6	118.2	-106.6	129.7 (2-Lane)
1.600	90.2	30.6	120.8	-109.3	132.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2253

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	328.68	1.90	0.00	65.9 (2-Lane)
1.051	377.24	2.18	0.00	75.7 (1-Lane)
1.100	156.61	2.51	0.00	87.4 (2-Lane)
1.100	179.75	2.89	0.00	100.3 (1-Lane)
1.200	33.42	2.53	0.00	87.9 (2-Lane)
1.200	38.35	2.90	0.00	100.9 (1-Lane)
1.300	16.35	3.52	0.00	122.5 (2-Lane)
1.300	18.77	4.05	0.00	140.6 (1-Lane)
1.400	6.25	2.78	0.00	96.7 (2-Lane)
1.400	7.32	3.28	0.00	113.8 (1-Lane)
1.500	3.36	3.36	0.00	116.8 (2-Lane)
1.500	3.87	3.87	0.00	134.4 (1-Lane)
1.600	2.78	6.25	0.00	96.7 (2-Lane)
1.600	3.28	7.32	0.00	113.8 (1-Lane)
1.700	3.52	16.35	0.00	122.5 (2-Lane)
1.700	4.05	18.77	0.00	140.6 (1-Lane)
1.800	2.53	33.42	0.00	87.9 (2-Lane)
1.800	2.90	38.35	0.00	100.9 (1-Lane)
1.900	2.73	157.80	0.00	94.7 (2-Lane)
1.900	3.13	181.12	0.00	108.7 (1-Lane)
1.949	2.00	330.03	0.00	69.5 (2-Lane)
1.949	2.30	378.79	0.00	79.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2255

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-OPER
Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	LL	LL	LL	LL
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00
1.200	455.9	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00
1.300	598.3	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00
1.400	683.8	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00
1.500	712.3	109.7	992.18 R	0.00	746.00	0.00	741.88 R	0.00
1.600	683.8	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00
1.700	598.3	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00
1.800	455.9	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00
1.900	256.4	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00
1.949	131.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: SU7

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.62	999.00	16.62	999.00	0.00	644.0 (2-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	861.3 (1-Lane)
1.200	8.79	999.00	8.79	999.00	0.00	340.6 (2-Lane)
1.200	11.76	999.00	11.76	999.00	0.00	455.6 (1-Lane)
1.300	6.38	999.00	6.38	999.00	0.00	247.3 (2-Lane)
1.300	8.53	999.00	8.53	999.00	0.00	330.7 (1-Lane)
1.400	5.54	999.00	5.54	999.00	0.00	214.6 (2-Lane)
1.400	7.41	999.00	7.41	999.00	0.00	287.0 (1-Lane)
1.500	5.32	999.00	5.32	999.00	0.00	206.0 (2-Lane)
1.500	7.11	999.00	7.11	999.00	0.00	275.5 (1-Lane)
1.600	5.54	999.00	5.54	999.00	0.00	214.6 (2-Lane)
1.600	7.41	999.00	7.41	999.00	0.00	287.0 (1-Lane)
1.700	6.38	999.00	6.38	999.00	0.00	247.3 (2-Lane)
1.700	8.53	999.00	8.53	999.00	0.00	330.7 (1-Lane)
1.800	8.79	999.00	8.79	999.00	0.00	340.6 (2-Lane)
1.800	11.76	999.00	11.76	999.00	0.00	455.6 (1-Lane)
1.900	16.51	999.00	16.51	999.00	0.00	639.8 (2-Lane)
1.900	22.08	999.00	22.08	999.00	0.00	855.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-OPER
 Rating Live Load: SU7

Rating Live Load:		SU /		(2-Lane)		(1-Lane)	
Gamma	DC	DW		LL		LL	
	1.25	1.25		1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck
1.000	50.2	0.0	0.00	0.00	0.00	0.00	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.051	48.1	6.9	73.96	0.00	55.61	0.00	64.44	0.00	48.45
1.100	46.1	6.2	68.97	0.00	51.86	0.00	60.09	0.00	45.18
1.200	30.1	4.6	58.70	0.00	44.14	0.00	51.15	0.00	38.46
1.300	20.1	3.1	48.43	0.00	36.42	0.00	42.20	0.00	31.73
1.400	10.0	1.5	38.16	0.00	28.70	0.00	33.25	0.00	25.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56
1.600	-10.0	-1.5	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00
1.700	-20.1	-3.1	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73
1.800	-30.1	-4.6	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46
1.900	-40.1	-6.2	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18
1.949	-45.0	-13.9	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45
2.000	-50.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-OPER

Rating Live Load:

SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	84.7	30.6	115.3	-126.9	103.7 (2-Lane)
1.400	87.7	30.6	118.2	-129.8	106.7 (1-Lane)
1.500	47.0	48.2	95.3	-95.3	95.3 (2-Lane)
1.500	47.4	48.2	95.7	-95.7	95.7 (1-Lane)
1.600	84.7	30.6	115.3	-103.7	126.9 (2-Lane)
1.600	87.7	30.6	118.2	-106.7	129.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-OPER

Rating Live Load:

SU7

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	328.68	1.81	0.00	70.0 (2-Lane)
1.051	377.24	2.07	0.00	80.3 (1-Lane)
1.100	177.38	2.40	0.00	93.1 (2-Lane)
1.100	203.59	2.76	0.00	106.9 (1-Lane)
1.200	44.12	2.44	0.00	94.7 (2-Lane)
1.200	50.64	2.80	0.00	108.6 (1-Lane)
1.300	18.77	3.46	0.00	133.9 (2-Lane)
1.300	21.54	3.97	0.00	153.7 (1-Lane)
1.400	6.48	2.72	0.00	105.3 (2-Lane)
1.400	7.61	3.21	0.00	124.3 (1-Lane)
1.500	3.36	3.36	0.00	130.3 (2-Lane)
1.500	3.88	3.88	0.00	150.2 (1-Lane)
1.600	2.72	6.48	0.00	105.3 (2-Lane)
1.600	3.21	7.61	0.00	124.3 (1-Lane)
1.700	3.46	18.77	0.00	133.9 (2-Lane)
1.700	3.97	21.54	0.00	153.7 (1-Lane)
1.800	2.44	44.12	0.00	94.7 (2-Lane)
1.800	2.80	50.64	0.00	108.6 (1-Lane)
1.900	2.61	178.73	0.00	101.0 (2-Lane)
1.900	2.99	205.14	0.00	115.9 (1-Lane)
1.949	1.90	330.03	0.00	73.7 (2-Lane)
1.949	2.18	378.79	0.00	84.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	346.03 R	260.17	258.74 R	194.54
1.200	455.9	70.2	602.06 R	452.67	450.18 R	338.48
1.300	598.3	92.1	768.09 R	577.51	574.33 R	431.83
1.400	683.8	105.3	863.15 R	648.98	645.41 R	485.27
1.500	712.3	109.7	880.89 R	662.32	658.67 R	495.24
1.600	683.8	105.3	863.15 R	648.98	645.41 R	485.27
1.700	598.3	92.1	768.09 R	577.51	574.33 R	431.83
1.800	455.9	70.2	602.06 R	452.67	450.18 R	338.48
1.900	256.4	39.5	346.03 R	260.17	258.74 R	194.54
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.88	999.00	16.88	999.00	0.00	421.9 (2-Lane)
1.100	22.57	999.00	22.57	999.00	0.00	564.2 (1-Lane)
1.200	9.25	999.00	9.25	999.00	0.00	231.3 (2-Lane)
1.200	12.38	999.00	12.38	999.00	0.00	309.4 (1-Lane)
1.300	7.04	999.00	7.04	999.00	0.00	176.0 (2-Lane)
1.300	9.41	999.00	9.41	999.00	0.00	235.3 (1-Lane)
1.400	6.15	999.00	6.15	999.00	0.00	153.7 (2-Lane)
1.400	8.22	999.00	8.22	999.00	0.00	205.6 (1-Lane)
1.500	5.99	999.00	5.99	999.00	0.00	149.7 (2-Lane)
1.500	8.01	999.00	8.01	999.00	0.00	200.2 (1-Lane)
1.600	6.15	999.00	6.15	999.00	0.00	153.7 (2-Lane)
1.600	8.22	999.00	8.22	999.00	0.00	205.6 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.700	7.04	999.00	7.04	999.00	0.00 176.0 (2-Lane)
1.700	9.41	999.00	9.41	999.00	0.00 235.3 (1-Lane)
1.800	9.25	999.00	9.25	999.00	0.00 231.3 (2-Lane)
1.800	12.38	999.00	12.38	999.00	0.00 309.4 (1-Lane)
1.900	16.76	999.00	16.76	999.00	0.00 419.1 (2-Lane)
1.900	22.42	999.00	22.42	999.00	0.00 560.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: 3

Gamma		DC	DW	(2-Lane) LL	(1-Lane) LL
		1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	72.22	54.30	62.93	47.31
1.100	46.1	6.2	67.93	51.08	59.19	44.50
1.200	30.1	4.6	59.10	44.43	51.49	38.71
1.300	20.1	3.1	50.26	37.79	43.79	32.93
1.400	10.0	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-10.0	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-20.1	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-30.1	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-40.1	-6.2	-67.93	-51.08	-59.19	-44.50
1.949	-45.0	-13.9	-72.22	-54.30	-62.93	-47.31
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	92.8	30.6	123.4	-135.0	111.8 (2-Lane)
1.400	95.4	30.6	126.0	-137.6	114.4 (1-Lane)
1.500	54.8	48.2	103.1	-103.1	103.1 (2-Lane)
1.500	54.9	48.2	103.2	-103.2	103.2 (1-Lane)
1.600	92.8	30.6	123.4	-111.8	135.0 (2-Lane)
1.600	95.4	30.6	126.0	-114.4	137.6 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: 3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	166.76	1.85	0.00	46.2 (2-Lane)
1.051	191.40	2.12	0.00	53.1 (1-Lane)
1.100	69.46	2.44	0.00	61.0 (2-Lane)
1.100	79.72	2.80	0.00	70.0 (1-Lane)
1.200	21.51	2.43	0.00	60.7 (2-Lane)
1.200	24.68	2.79	0.00	69.6 (1-Lane)
1.300	13.44	3.33	0.00	83.3 (2-Lane)
1.300	15.42	3.82	0.00	95.6 (1-Lane)
1.400	5.68	2.70	0.00	67.5 (2-Lane)
1.400	6.64	3.17	0.00	79.2 (1-Lane)
1.500	3.16	3.16	0.00	79.1 (2-Lane)
1.500	3.63	3.63	0.00	90.8 (1-Lane)
1.600	2.70	5.68	0.00	67.5 (2-Lane)
1.600	3.17	6.64	0.00	79.2 (1-Lane)
1.700	3.33	13.44	0.00	83.3 (2-Lane)
1.700	3.82	15.42	0.00	95.6 (1-Lane)
1.800	2.43	21.51	0.00	60.7 (2-Lane)
1.800	2.79	24.68	0.00	69.6 (1-Lane)
1.900	2.65	69.99	0.00	66.1 (2-Lane)
1.900	3.04	80.33	0.00	75.9 (1-Lane)
1.949	1.95	167.44	0.00	48.7 (2-Lane)
1.949	2.24	192.18	0.00	55.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	153.79 R	115.63	114.99 R	86.46
1.200	455.9	70.2	267.58 R	201.19	200.08 R	150.44
1.300	598.3	92.1	341.37 R	256.67	255.26 R	191.92
1.400	683.8	105.3	383.62 R	288.44	286.85 R	215.67
1.500	712.3	109.7	391.51 R	294.36	292.74 R	220.11
1.600	683.8	105.3	383.62 R	288.44	286.85 R	215.67
1.700	598.3	92.1	341.37 R	256.67	255.26 R	191.92
1.800	455.9	70.2	267.58 R	201.19	200.08 R	150.44
1.900	256.4	39.5	153.79 R	115.63	114.99 R	86.46
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2268

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: 3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.74	999.00	11.45	999.00	0.00	286.2 (2-Lane)
1.200	50.48	999.00	15.31	999.00	0.00	382.7 (1-Lane)
1.300	27.62	999.00	8.38	999.00	0.00	209.6 (2-Lane)
1.300	36.94	999.00	11.21	999.00	0.00	280.3 (1-Lane)
1.400	23.53	999.00	7.14	999.00	0.00	178.6 (2-Lane)
1.400	31.47	999.00	9.55	999.00	0.00	238.8 (1-Lane)
1.500	22.72	999.00	6.90	999.00	0.00	172.4 (2-Lane)
1.500	30.38	999.00	9.22	999.00	0.00	230.6 (1-Lane)
1.600	23.53	999.00	7.14	999.00	0.00	178.6 (2-Lane)
1.600	31.47	999.00	9.55	999.00	0.00	238.8 (1-Lane)
1.700	27.62	999.00	8.38	999.00	0.00	209.6 (2-Lane)
1.700	36.94	999.00	11.21	999.00	0.00	280.3 (1-Lane)
1.800	37.74	999.00	11.45	999.00	0.00	286.2 (2-Lane)
1.800	50.48	999.00	15.31	999.00	0.00	382.7 (1-Lane)
1.900	71.77	999.00	21.75	999.00	0.00	543.9 (2-Lane)
1.900	95.98	999.00	29.09	999.00	0.00	727.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2270

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	408.35 R	307.03	305.33 R	229.57	305.33 R	229.57	229.57	229.57
1.200	455.9	70.2	672.70 R	505.79	503.00 R	378.19	503.00 R	378.19	378.19	378.19
1.300	598.3	92.1	880.54 R	662.06	658.41 R	495.04	658.41 R	495.04	495.04	495.04
1.400	683.8	105.3	974.81 R	732.94	728.90 R	548.05	728.90 R	548.05	548.05	548.05
1.500	712.3	109.7	956.79 R	719.39	715.43 R	537.91	715.43 R	537.91	537.91	537.91
1.600	683.8	105.3	974.81 R	732.94	728.90 R	548.05	728.90 R	548.05	548.05	548.05
1.700	598.3	92.1	880.54 R	662.06	658.41 R	495.04	658.41 R	495.04	495.04	495.04
1.800	455.9	70.2	672.70 R	505.79	503.00 R	378.19	503.00 R	378.19	378.19	378.19
1.900	256.4	39.5	408.35 R	307.03	305.33 R	229.57	305.33 R	229.57	229.57	229.57
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1

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1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-LEGL

Rating Live Load:

3S2

Moment								
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	14.30	999.00	14.30	999.00	0.00	572.0	(2-Lane)	
1.100	19.12	999.00	19.12	999.00	0.00	764.9	(1-Lane)	
1.200	8.28	999.00	8.28	999.00	0.00	331.3	(2-Lane)	
1.200	11.07	999.00	11.07	999.00	0.00	443.0	(1-Lane)	
1.300	6.14	999.00	6.14	999.00	0.00	245.6	(2-Lane)	
1.300	8.21	999.00	8.21	999.00	0.00	328.5	(1-Lane)	
1.400	5.45	999.00	5.45	999.00	0.00	217.8	(2-Lane)	
1.400	7.28	999.00	7.28	999.00	0.00	291.3	(1-Lane)	
1.500	5.51	999.00	5.51	999.00	0.00	220.5	(2-Lane)	
1.500	7.37	999.00	7.37	999.00	0.00	294.9	(1-Lane)	
1.600	5.45	999.00	5.45	999.00	0.00	217.8	(2-Lane)	
1.600	7.28	999.00	7.28	999.00	0.00	291.3	(1-Lane)	
1.700	6.14	999.00	6.14	999.00	0.00	245.6	(2-Lane)	
1.700	8.21	999.00	8.21	999.00	0.00	328.5	(1-Lane)	
1.800	8.28	999.00	8.28	999.00	0.00	331.3	(2-Lane)	
1.800	11.07	999.00	11.07	999.00	0.00	443.0	(1-Lane)	
1.900	14.21	999.00	14.21	999.00	0.00	568.2	(2-Lane)	
1.900	19.00	999.00	19.00	999.00	0.00	760.0	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-LEGL

Rating Live Load:

3S2

Gamma

DC

DW

LL

LL

1.25

1.25

1.80

1.80

1.80

(2-Lane)

(1-Lane)

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck	Live Load w/impact Truck Lane	Live Load w/o impact Truck
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	69.38	52.16	60.45	45.45
1.100	46.1	6.2	80.16	60.27	69.85	52.52
1.200	30.1	4.6	66.03	49.65	57.53	43.26
1.300	20.1	3.1	52.36	39.37	45.62	34.30
1.400	10.0	1.5	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-10.0	-1.5	-40.67	-30.58	-35.43	-26.64
1.700	-20.1	-3.1	-52.36	-39.37	-45.62	-34.30
1.800	-30.1	-4.6	-66.03	-49.65	-57.53	-43.26
1.900	-40.1	-6.2	-80.16	-60.27	-69.85	-52.52
1.949	-45.0	-13.9	-87.03	-65.44	-75.83	-57.02
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G12

Rating Type:

I-LEGL

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	87.3	30.6	117.9	-129.5	106.3 (2-Lane)
1.400	90.3	30.6	120.9	-132.5	109.3 (1-Lane)
1.500	48.8	48.2	97.0	-97.0	97.0 (2-Lane)
1.500	49.1	48.2	97.3	-97.3	97.3 (1-Lane)
1.600	87.3	30.6	117.9	-106.3	129.5 (2-Lane)
1.600	90.3	30.6	120.9	-109.3	132.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	166.76	1.92	0.00	77.0 (2-Lane)
1.051	191.40	2.21	0.00	88.4 (1-Lane)
1.100	69.46	2.07	0.00	82.7 (2-Lane)
1.100	79.72	2.37	0.00	94.9 (1-Lane)
1.200	21.51	2.17	0.00	86.9 (2-Lane)
1.200	24.68	2.49	0.00	99.7 (1-Lane)
1.300	13.44	3.20	0.00	127.9 (2-Lane)
1.300	15.42	3.67	0.00	146.8 (1-Lane)
1.400	5.91	2.61	0.00	104.6 (2-Lane)
1.400	6.94	3.09	0.00	123.4 (1-Lane)
1.500	3.33	3.33	0.00	133.0 (2-Lane)
1.500	3.83	3.83	0.00	153.1 (1-Lane)
1.600	2.61	5.91	0.00	104.6 (2-Lane)
1.600	3.09	6.94	0.00	123.4 (1-Lane)
1.700	3.20	13.44	0.00	127.9 (2-Lane)
1.700	3.67	15.42	0.00	146.8 (1-Lane)
1.800	2.17	21.51	0.00	86.9 (2-Lane)
1.800	2.49	24.68	0.00	99.7 (1-Lane)
1.900	2.24	69.99	0.00	89.7 (2-Lane)
1.900	2.57	80.33	0.00	102.9 (1-Lane)
1.949	1.62	167.44	0.00	64.7 (2-Lane)
1.949	1.86	192.18	0.00	74.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00

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1.100	218.4	39.5	181.49 R	136.46	135.70 R	102.03	
1.200	455.9	70.2	298.98 R	224.79	223.56 R	168.09	
1.300	598.3	92.1	391.35 R	294.25	292.63 R	220.02	
1.400	683.8	105.3	433.25 R	325.75	323.96 R	243.58	
1.500	712.3	109.7	425.24 R	319.73	317.97 R	239.07	
1.600	683.8	105.3	433.25 R	325.75	323.96 R	243.58	
1.700	598.3	92.1	391.35 R	294.25	292.63 R	220.02	
1.800	455.9	70.2	298.98 R	224.79	223.55 R	168.09	
1.900	256.4	39.5	181.49 R	136.46	135.70 R	102.03	
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL S
Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.78	999.00	10.25	999.00	0.00	409.8 (2-Lane)
1.200	45.17	999.00	13.70	999.00	0.00	548.1 (1-Lane)
1.300	24.09	999.00	7.31	999.00	0.00	292.5 (2-Lane)
1.300	32.22	999.00	9.78	999.00	0.00	391.1 (1-Lane)
1.400	20.84	999.00	6.32	999.00	0.00	253.0 (2-Lane)
1.400	27.86	999.00	8.46	999.00	0.00	338.4 (1-Lane)
1.500	20.91	999.00	6.35	999.00	0.00	254.0 (2-Lane)
1.500	27.97	999.00	8.49	999.00	0.00	339.7 (1-Lane)
1.600	20.84	999.00	6.32	999.00	0.00	253.0 (2-Lane)
1.600	27.86	999.00	8.46	999.00	0.00	338.4 (1-Lane)
1.700	24.09	999.00	7.31	999.00	0.00	292.5 (2-Lane)
1.700	32.22	999.00	9.78	999.00	0.00	391.1 (1-Lane)
1.800	33.78	999.00	10.25	999.00	0.00	409.8 (2-Lane)
1.800	45.17	999.00	13.70	999.00	0.00	548.1 (1-Lane)
1.900	60.81	999.00	18.43	999.00	0.00	737.4 (2-Lane)
1.900	81.33	999.00	24.65	999.00	0.00	986.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	350.45 R	263.50	262.05 R	197.03
1.200	455.9	70.2	578.51 R	434.97	432.57 R	325.24
1.300	598.3	92.1	724.75 R	544.92	541.92 R	407.46
1.400	683.8	105.3	761.27 R	572.38	569.23 R	427.99
1.500	712.3	109.7	807.25 R	606.96	603.61 R	453.84
1.600	683.8	105.3	761.27 R	572.38	569.23 R	427.99
1.700	598.3	92.1	724.75 R	544.92	541.92 R	407.46
1.800	455.9	70.2	578.51 R	434.97	432.57 R	325.24
1.900	256.4	39.5	350.45 R	263.50	262.05 R	197.03
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.66	999.00	16.66	999.00	0.00	666.5 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	891.3 (1-Lane)
1.200	9.63	999.00	9.63	999.00	0.00	385.2 (2-Lane)
1.200	12.88	999.00	12.88	999.00	0.00	515.1 (1-Lane)
1.300	7.46	999.00	7.46	999.00	0.00	298.4 (2-Lane)
1.300	9.98	999.00	9.98	999.00	0.00	399.1 (1-Lane)
1.400	6.97	999.00	6.97	999.00	0.00	278.9 (2-Lane)
1.400	9.32	999.00	9.32	999.00	0.00	373.0 (1-Lane)
1.500	6.53	999.00	6.53	999.00	0.00	261.4 (2-Lane)
1.500	8.74	999.00	8.74	999.00	0.00	349.6 (1-Lane)
1.600	6.97	999.00	6.97	999.00	0.00	278.9 (2-Lane)
1.600	9.32	999.00	9.32	999.00	0.00	373.0 (1-Lane)
1.700	7.46	999.00	7.46	999.00	0.00	298.4 (2-Lane)
1.700	9.98	999.00	9.98	999.00	0.00	399.1 (1-Lane)
1.800	9.63	999.00	9.63	999.00	0.00	385.2 (2-Lane)
1.800	12.88	999.00	12.88	999.00	0.00	515.1 (1-Lane)
1.900	16.55	999.00	16.55	999.00	0.00	662.1 (2-Lane)
1.900	22.14	999.00	22.14	999.00	0.00	885.5 (1-Lane)

1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	74.64	56.12	65.03	48.90
1.100	46.1	6.2	68.80	51.73	59.94	45.07
1.200	30.1	4.6	56.79	42.70	49.48	37.20
1.300	20.1	3.1	44.77	33.66	39.01	29.33
1.400	10.0	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-10.0	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-20.1	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-30.1	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-40.1	-6.2	-68.80	-51.73	-59.94	-45.07
1.949	-45.0	-13.9	-74.64	-56.12	-65.03	-48.90
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3-3

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	88.2	30.6	118.8	-130.3	107.2 (2-Lane)
1.400	90.3	30.6	120.8	-132.4	109.3 (1-Lane)
1.500	49.4	48.2	97.6	-97.6	97.6 (2-Lane)
1.500	49.2	48.2	97.5	-97.5	97.5 (1-Lane)
1.600	88.2	30.6	118.8	-107.2	130.3 (2-Lane)
1.600	90.3	30.6	120.8	-109.3	132.4 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	202.49	1.79	0.00	71.6 (2-Lane)
1.051	232.41	2.05	0.00	82.1 (1-Lane)
1.100	84.35	2.41	0.00	96.4 (2-Lane)
1.100	96.81	2.77	0.00	110.6 (1-Lane)

1.200	26.11	2.53	0.00	101.0 (2-Lane)
1.200	29.97	2.90	0.00	115.9 (1-Lane)
1.300	16.32	3.74	0.00	149.6 (2-Lane)
1.300	18.73	4.29	0.00	171.7 (1-Lane)
1.400	6.72	3.07	0.00	122.7 (2-Lane)
1.400	7.84	3.59	0.00	143.5 (1-Lane)
1.500	3.59	3.59	0.00	143.7 (2-Lane)
1.500	4.12	4.12	0.00	164.7 (1-Lane)
1.600	3.07	6.72	0.00	122.7 (2-Lane)
1.600	3.59	7.84	0.00	143.6 (1-Lane)
1.700	3.74	16.32	0.00	149.6 (2-Lane)
1.700	4.29	18.73	0.00	171.7 (1-Lane)
1.800	2.53	26.11	0.00	101.0 (2-Lane)
1.800	2.90	29.97	0.00	115.9 (1-Lane)
1.900	2.61	84.99	0.00	104.5 (2-Lane)
1.900	3.00	97.54	0.00	119.9 (1-Lane)
1.949	1.89	203.32	0.00	75.4 (2-Lane)
1.949	2.16	233.36	0.00	86.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2284

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	155.76 R	117.11	116.46 R	87.57
1.200	455.9	70.2	257.12 R	193.32	192.25 R	144.55
1.300	598.3	92.1	322.11 R	242.19	240.85 R	181.09
1.400	683.8	105.3	338.34 R	254.39	252.99 R	190.22
1.500	712.3	109.7	358.78 R	269.76	268.27 R	201.71
1.600	683.8	105.3	338.34 R	254.39	252.99 R	190.22
1.700	598.3	92.1	322.11 R	242.19	240.85 R	181.09
1.800	455.9	70.2	257.12 R	193.32	192.25 R	144.55
1.900	256.4	39.5	155.76 R	117.11	116.46 R	87.57
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2284

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL S

Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.28	999.00	11.91	999.00	0.00	476.5 (2-Lane)
1.200	52.53	999.00	15.93	999.00	0.00	637.3 (1-Lane)
1.300	29.27	999.00	8.88	999.00	0.00	355.3 (2-Lane)
1.300	39.15	999.00	11.88	999.00	0.00	475.2 (1-Lane)
1.400	26.68	999.00	8.10	999.00	0.00	324.0 (2-Lane)
1.400	35.68	999.00	10.83	999.00	0.00	433.3 (1-Lane)
1.500	24.79	999.00	7.53	999.00	0.00	301.0 (2-Lane)
1.500	33.15	999.00	10.06	999.00	0.00	402.6 (1-Lane)
1.600	26.68	999.00	8.10	999.00	0.00	324.0 (2-Lane)
1.600	35.68	999.00	10.83	999.00	0.00	433.3 (1-Lane)
1.700	29.27	999.00	8.88	999.00	0.00	355.3 (2-Lane)
1.700	39.15	999.00	11.88	999.00	0.00	475.2 (1-Lane)
1.800	39.28	999.00	11.91	999.00	0.00	476.5 (2-Lane)
1.800	52.53	999.00	15.93	999.00	0.00	637.3 (1-Lane)
1.900	70.86	999.00	21.48	999.00	0.00	859.2 (2-Lane)
1.900	94.77	999.00	28.73	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.60	1.60	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	39.5	339.76 R		255.46	254.05 R		191.01		
1.200	455.9	70.2	593.12 R		445.96	443.50 R		333.46		
1.300	598.3	92.1	760.09 R		571.49	568.34 R		427.33		
1.400	683.8	105.3	866.58 R		651.56	647.97 R		487.20		
1.500	712.3	109.7	891.18 R		670.06	666.37 R		501.03		
1.600	683.8	105.3	866.58 R		651.56	647.97 R		487.20		
1.700	598.3	92.1	760.09 R		571.49	568.34 R		427.33		
1.800	455.9	70.2	593.12 R		445.96	443.50 R		333.46		
1.900	256.4	39.5	339.76 R		255.46	254.05 R		191.01		
1.949	131.8	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	464.0 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	620.6 (1-Lane)
1.200	9.39	999.00	9.39	999.00	0.00	253.6 (2-Lane)
1.200	12.56	999.00	12.56	999.00	0.00	339.1 (1-Lane)
1.300	7.11	999.00	7.11	999.00	0.00	192.0 (2-Lane)
1.300	9.51	999.00	9.51	999.00	0.00	256.8 (1-Lane)
1.400	6.12	999.00	6.12	999.00	0.00	165.4 (2-Lane)
1.400	8.19	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.500	5.92	999.00	5.92	999.00	0.00	159.8 (2-Lane)
1.500	7.92	999.00	7.92	999.00	0.00	213.7 (1-Lane)
1.600	6.12	999.00	6.12	999.00	0.00	165.4 (2-Lane)
1.600	8.19	999.00	8.19	999.00	0.00	221.2 (1-Lane)
1.700	7.11	999.00	7.11	999.00	0.00	192.0 (2-Lane)
1.700	9.51	999.00	9.51	999.00	0.00	256.8 (1-Lane)
1.800	9.39	999.00	9.39	999.00	0.00	253.6 (2-Lane)
1.800	12.56	999.00	12.56	999.00	0.00	339.1 (1-Lane)
1.900	17.07	999.00	17.07	999.00	0.00	461.0 (2-Lane)
1.900	22.83	999.00	22.83	999.00	0.00	616.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	70.82	53.25	61.71	46.40
1.100	46.1	6.2	66.70	50.15	58.11	43.69
1.200	30.1	4.6	58.22	43.77	50.73	38.14
1.300	20.1	3.1	49.74	37.40	43.34	32.58
1.400	10.0	1.5	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-10.0	-1.5	-41.26	-31.02	-35.95	-27.03
1.700	-20.1	-3.1	-49.74	-37.40	-43.34	-32.58
1.800	-30.1	-4.6	-58.22	-43.77	-50.73	-38.14
1.900	-40.1	-6.2	-66.70	-50.15	-58.11	-43.69
1.949	-45.0	-13.9	-70.82	-53.25	-61.71	-46.39
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU4

Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
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1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	92.4	30.6	123.0	-134.6	111.4 (2-Lane)
1.400	95.0	30.6	125.6	-137.2	114.0 (1-Lane)
1.500	54.8	48.2	103.0	-103.0	103.0 (2-Lane)
1.500	54.9	48.2	103.2	-103.2	103.2 (1-Lane)
1.600	92.4	30.6	123.0	-111.4	134.6 (2-Lane)
1.600	95.0	30.6	125.6	-114.0	137.2 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	187.60	1.89	0.00	50.9 (2-Lane)
1.051	215.32	2.16	0.00	58.4 (1-Lane)
1.100	78.14	2.48	0.00	67.1 (2-Lane)
1.100	89.69	2.85	0.00	77.0 (1-Lane)
1.200	22.31	2.46	0.00	66.5 (2-Lane)
1.200	25.61	2.83	0.00	76.3 (1-Lane)
1.300	13.24	3.37	0.00	90.9 (2-Lane)
1.300	15.20	3.86	0.00	104.3 (1-Lane)
1.400	5.54	2.70	0.00	72.9 (2-Lane)
1.400	6.48	3.17	0.00	85.7 (1-Lane)
1.500	3.14	3.14	0.00	84.9 (2-Lane)
1.500	3.61	3.61	0.00	97.5 (1-Lane)
1.600	2.70	5.54	0.00	72.9 (2-Lane)
1.600	3.17	6.48	0.00	85.7 (1-Lane)
1.700	3.37	13.24	0.00	90.9 (2-Lane)
1.700	3.86	15.20	0.00	104.3 (1-Lane)
1.800	2.46	22.31	0.00	66.5 (2-Lane)
1.800	2.83	25.61	0.00	76.3 (1-Lane)
1.900	2.69	78.74	0.00	72.7 (2-Lane)
1.900	3.09	90.37	0.00	83.5 (1-Lane)
1.949	1.99	188.37	0.00	53.7 (2-Lane)
1.949	2.28	216.20	0.00	61.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL	LL
			0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	169.88 R	127.73	127.02 R	95.51	166.73	95.51
1.200	455.9	70.2	296.56 R	222.98	221.75 R	166.73	213.66	166.73
1.300	598.3	92.1	380.04 R	285.75	284.17 R	213.66	243.60	213.66
1.400	683.8	105.3	433.29 R	325.78	323.99 R	243.60	250.51	243.60
1.500	712.3	109.7	445.59 R	335.03	333.18 R	250.51	243.60	213.66
1.600	683.8	105.3	433.29 R	325.78	323.99 R	243.60	213.66	166.73
1.700	598.3	92.1	380.04 R	285.75	284.17 R	213.66	243.60	213.66
1.800	455.9	70.2	296.56 R	222.98	221.75 R	166.73	243.60	213.66

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1.900	256.4	39.5	169.88 R	127.73	127.02 R	95.51
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2292

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: III-LGL S
Rating Live Load: SU4

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.05	999.00	10.33	999.00	0.00	278.9 (2-Lane)
1.200	45.54	999.00	13.81	999.00	0.00	373.0 (1-Lane)
1.300	24.81	999.00	7.53	999.00	0.00	203.3 (2-Lane)
1.300	33.18	999.00	10.07	999.00	0.00	271.9 (1-Lane)
1.400	20.83	999.00	6.32	999.00	0.00	170.8 (2-Lane)
1.400	27.86	999.00	8.46	999.00	0.00	228.4 (1-Lane)
1.500	19.96	999.00	6.06	999.00	0.00	163.6 (2-Lane)
1.500	26.69	999.00	8.10	999.00	0.00	218.8 (1-Lane)
1.600	20.83	999.00	6.32	999.00	0.00	170.8 (2-Lane)
1.600	27.86	999.00	8.46	999.00	0.00	228.4 (1-Lane)
1.700	24.81	999.00	7.53	999.00	0.00	203.3 (2-Lane)
1.700	33.18	999.00	10.07	999.00	0.00	271.9 (1-Lane)
1.800	34.05	999.00	10.33	999.00	0.00	278.9 (2-Lane)
1.800	45.54	999.00	13.81	999.00	0.00	373.0 (1-Lane)
1.900	64.97	999.00	19.69	999.00	0.00	531.7 (2-Lane)
1.900	86.89	999.00	26.34	999.00	0.00	711.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: I-LEGL
Rating Live Load: SU5

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	377.07 R	283.51	281.95 R	211.99
1.200	455.9	70.2	654.95 R	492.44	489.73 R	368.21
1.300	598.3	92.1	842.64 R	633.56	630.07 R	473.74
1.400	683.8	105.3	957.06 R	719.59	715.63 R	538.07
1.500	712.3	109.7	972.29 R	731.04	727.01 R	546.62
1.600	683.8	105.3	957.06 R	719.59	715.63 R	538.07
1.700	598.3	92.1	842.64 R	633.56	630.07 R	473.74
1.800	455.9	70.2	654.95 R	492.44	489.73 R	368.21
1.900	256.4	39.5	377.07 R	283.51	281.95 R	211.99
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom +bend		
1.000	999.00	999.00		999.00	999.00	0.00
1.000	999.00	999.00		999.00	999.00	0.00
1.051	999.00	999.00		999.00	999.00	0.00
1.051	999.00	999.00		999.00	999.00	0.00
1.100	15.48	999.00		15.48	999.00	0.00
1.100	20.71	999.00		20.71	999.00	0.00
1.200	8.51	999.00		8.51	999.00	0.00
1.200	11.38	999.00		11.38	999.00	0.00
1.300	6.42	999.00		6.42	999.00	0.00
1.300	8.58	999.00		8.58	999.00	0.00
1.400	5.55	999.00		5.55	999.00	0.00
1.400	7.42	999.00		7.42	999.00	0.00
1.500	5.43	999.00		5.43	999.00	0.00
1.500	7.26	999.00		7.26	999.00	0.00
1.600	5.55	999.00		5.55	999.00	0.00
1.600	7.42	999.00		7.42	999.00	0.00
1.700	6.42	999.00		6.42	999.00	0.00
1.700	8.58	999.00		8.58	999.00	0.00
1.800	8.51	999.00		8.51	999.00	0.00
1.800	11.38	999.00		11.38	999.00	0.00
1.900	15.38	999.00		15.38	999.00	0.00
1.900	20.58	999.00		20.58	999.00	0.00
1.949	999.00	999.00		999.00	999.00	0.00
1.949	999.00	999.00		999.00	999.00	0.00
2.000	999.00	999.00		999.00	999.00	0.00
2.000	999.00	999.00		999.00	999.00	0.00

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	78.76	59.22	68.62	51.59
1.100	46.1	6.2	74.03	55.66	64.50	48.49
1.200	30.1	4.6	64.29	48.34	56.01	42.11
1.300	20.1	3.1	54.55	41.02	47.53	35.74
1.400	10.0	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-10.0	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-20.1	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-30.1	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-40.1	-6.2	-74.03	-55.66	-64.50	-48.49
1.949	-45.0	-13.9	-78.76	-59.22	-68.62	-51.59
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: SU5

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	93.3	30.6	123.9	-135.5	112.3 (2-Lane)
1.400	96.3	30.6	126.9	-138.5	115.3 (1-Lane)
1.500	55.7	48.2	104.0	-104.0	104.0 (2-Lane)
1.500	56.1	48.2	104.4	-104.4	104.4 (1-Lane)
1.600	93.3	30.6	123.9	-112.3	135.5 (2-Lane)
1.600	96.3	30.6	126.9	-115.3	138.5 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	187.60	1.70	0.00	52.6 (2-Lane)
1.051	215.32	1.95	0.00	60.3 (1-Lane)
1.100	78.14	2.24	0.00	69.4 (2-Lane)
1.100	89.69	2.57	0.00	79.7 (1-Lane)
1.200	22.31	2.23	0.00	69.1 (2-Lane)
1.200	25.61	2.56	0.00	79.4 (1-Lane)
1.300	12.39	3.07	0.00	95.1 (2-Lane)
1.300	14.22	3.52	0.00	109.2 (1-Lane)
1.400	5.35	2.51	0.00	77.7 (2-Lane)

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1.400	6.27	2.95	0.00	91.6 (1-Lane)
1.500	2.96	2.96	0.00	91.9 (2-Lane)
1.500	3.41	3.41	0.00	105.9 (1-Lane)
1.600	2.51	5.35	0.00	77.7 (2-Lane)
1.600	2.95	6.27	0.00	91.6 (1-Lane)
1.700	3.07	12.39	0.00	95.1 (2-Lane)
1.700	3.52	14.22	0.00	109.2 (1-Lane)
1.800	2.23	22.31	0.00	69.1 (2-Lane)
1.800	2.56	25.61	0.00	79.4 (1-Lane)
1.900	2.43	78.74	0.00	75.3 (2-Lane)
1.900	2.79	90.37	0.00	86.4 (1-Lane)
1.949	1.79	188.37	0.00	55.4 (2-Lane)
1.949	2.05	216.20	0.00	63.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2300

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG
Rating Live Load: SU5

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	188.54 R	141.76	140.97 R	106.00
1.200	455.9	70.2	327.47 R	246.22	244.86 R	184.11
1.300	598.3	92.1	421.32 R	316.78	315.04 R	236.87
1.400	683.8	105.3	478.53 R	359.80	357.81 R	269.03
1.500	712.3	109.7	486.14 R	365.52	363.51 R	273.31
1.600	683.8	105.3	478.53 R	359.80	357.81 R	269.03
1.700	598.3	92.1	421.32 R	316.78	315.04 R	236.87
1.800	455.9	70.2	327.47 R	246.22	244.86 R	184.11
1.900	256.4	39.5	188.54 R	141.76	140.97 R	106.00
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2300

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2301

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.84	999.00	9.35	999.00	0.00	290.0 (2-Lane)
1.200	41.24	999.00	12.51	999.00	0.00	387.8 (1-Lane)
1.300	22.38	999.00	6.79	999.00	0.00	210.5 (2-Lane)
1.300	29.93	999.00	9.08	999.00	0.00	281.6 (1-Lane)
1.400	18.86	999.00	5.73	999.00	0.00	177.5 (2-Lane)
1.400	25.23	999.00	7.66	999.00	0.00	237.4 (1-Lane)
1.500	18.29	999.00	5.55	999.00	0.00	172.2 (2-Lane)
1.500	24.47	999.00	7.43	999.00	0.00	230.3 (1-Lane)
1.600	18.86	999.00	5.73	999.00	0.00	177.5 (2-Lane)
1.600	25.23	999.00	7.66	999.00	0.00	237.4 (1-Lane)
1.700	22.38	999.00	6.79	999.00	0.00	210.5 (2-Lane)
1.700	29.93	999.00	9.08	999.00	0.00	281.6 (1-Lane)
1.800	30.84	999.00	9.35	999.00	0.00	290.0 (2-Lane)
1.800	41.24	999.00	12.51	999.00	0.00	387.8 (1-Lane)
1.900	58.54	999.00	17.75	999.00	0.00	550.1 (2-Lane)
1.900	78.29	999.00	23.73	999.00	0.00	735.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	LL	LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	397.96 R	299.22	297.57 R	223.74			
1.200	455.9	70.2	717.98 R	539.83	536.86 R	403.65			
1.300	598.3	92.1	932.71 R	701.29	697.42 R	524.38			
1.400	683.8	105.3	1052.03 R	791.00	786.64 R	591.46			
1.500	712.3	109.7	1083.54 R	814.69	810.20 R	609.17			
1.600	683.8	105.3	1052.03 R	791.00	786.64 R	591.46			
1.700	598.3	92.1	932.71 R	701.29	697.42 R	524.38			
1.800	455.9	70.2	717.98 R	539.83	536.86 R	403.65			
1.900	256.4	39.5	397.96 R	299.22	297.57 R	223.74			
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00			
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00			

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-LEGL
 Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.67	999.00	14.67	999.00	0.00	509.9 (2-Lane)
1.100	19.62	999.00	19.62	999.00	0.00	681.9 (1-Lane)
1.200	7.76	999.00	7.76	999.00	0.00	269.6 (2-Lane)
1.200	10.38	999.00	10.38	999.00	0.00	360.6 (1-Lane)
1.300	5.80	999.00	5.80	999.00	0.00	201.4 (2-Lane)
1.300	7.75	999.00	7.75	999.00	0.00	269.4 (1-Lane)
1.400	5.05	999.00	5.05	999.00	0.00	175.3 (2-Lane)
1.400	6.75	999.00	6.75	999.00	0.00	234.5 (1-Lane)
1.500	4.87	999.00	4.87	999.00	0.00	169.2 (2-Lane)
1.500	6.51	999.00	6.51	999.00	0.00	226.2 (1-Lane)
1.600	5.05	999.00	5.05	999.00	0.00	175.3 (2-Lane)
1.600	6.75	999.00	6.75	999.00	0.00	234.5 (1-Lane)
1.700	5.80	999.00	5.80	999.00	0.00	201.4 (2-Lane)
1.700	7.75	999.00	7.75	999.00	0.00	269.4 (1-Lane)
1.800	7.76	999.00	7.76	999.00	0.00	269.6 (2-Lane)
1.800	10.38	999.00	10.38	999.00	0.00	360.6 (1-Lane)
1.900	14.58	999.00	14.58	999.00	0.00	506.5 (2-Lane)
1.900	19.49	999.00	19.49	999.00	0.00	677.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-LEGL
 Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	83.43	62.73	72.69	54.66
1.100	46.1	6.2	78.13	58.74	68.07	51.18
1.200	30.1	4.6	67.21	50.54	58.56	44.03
1.300	20.1	3.1	56.30	42.33	49.05	36.88
1.400	10.0	1.5	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-10.0	-1.5	-45.38	-34.12	-39.54	-29.73
1.700	-20.1	-3.1	-56.30	-42.33	-49.05	-36.88
1.800	-30.1	-4.6	-67.21	-50.54	-58.56	-44.03
1.900	-40.1	-6.2	-78.13	-58.74	-68.07	-51.18
1.949	-45.0	-13.9	-83.43	-62.73	-72.69	-54.66
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
 Rating Type: I-LEGL
 Rating Live Load: SU6

Vc	Shear Resistance			Available Resistance for LL+I	
	Vs	Vn		(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)

1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	90.3	30.6	120.8	-132.4	109.3 (2-Lane)
1.400	93.6	30.6	124.2	-135.8	112.6 (1-Lane)
1.500	52.5	48.2	100.7	-100.7	100.7 (2-Lane)
1.500	53.2	48.2	101.4	-101.4	101.4 (1-Lane)
1.600	90.3	30.6	120.8	-109.3	132.4 (2-Lane)
1.600	93.6	30.6	124.2	-112.6	135.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	277.32	1.60	0.00	55.6 (2-Lane)
1.051	318.30	1.84	0.00	63.8 (1-Lane)
1.100	132.14	2.12	0.00	73.7 (2-Lane)
1.100	151.66	2.43	0.00	84.6 (1-Lane)
1.200	28.20	2.13	0.00	74.1 (2-Lane)
1.200	32.36	2.45	0.00	85.1 (1-Lane)
1.300	13.80	2.97	0.00	103.3 (2-Lane)
1.300	15.84	3.41	0.00	118.6 (1-Lane)
1.400	5.38	2.41	0.00	83.7 (2-Lane)
1.400	6.34	2.85	0.00	99.0 (1-Lane)
1.500	2.92	2.92	0.00	101.6 (2-Lane)
1.500	3.38	3.38	0.00	117.4 (1-Lane)
1.600	2.41	5.38	0.00	83.7 (2-Lane)
1.600	2.85	6.34	0.00	99.0 (1-Lane)
1.700	2.97	13.80	0.00	103.3 (2-Lane)
1.700	3.41	15.84	0.00	118.6 (1-Lane)
1.800	2.13	28.20	0.00	74.1 (2-Lane)
1.800	2.45	32.36	0.00	85.1 (1-Lane)
1.900	2.30	133.15	0.00	79.9 (2-Lane)
1.900	2.64	152.82	0.00	91.7 (1-Lane)
1.949	1.69	278.46	0.00	58.6 (2-Lane)
1.949	1.94	319.61	0.00	67.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	198.98 R	149.61	148.79 R	111.87
1.200	455.9	70.2	358.99 R	269.92	268.43 R	201.83
1.300	598.3	92.1	466.36 R	350.64	348.71 R	262.19
1.400	683.8	105.3	526.02 R	395.50	393.32 R	295.73
1.500	712.3	109.7	541.77 R	407.35	405.10 R	304.59
1.600	683.8	105.3	526.02 R	395.50	393.32 R	295.73
1.700	598.3	92.1	466.36 R	350.64	348.71 R	262.19
1.800	455.9	70.2	358.99 R	269.92	268.43 R	201.83
1.900	256.4	39.5	198.98 R	149.61	148.79 R	111.87
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2308

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.13	999.00	8.53	999.00	0.00	296.5 (2-Lane)
1.200	37.62	999.00	11.41	999.00	0.00	396.6 (1-Lane)
1.300	20.22	999.00	6.14	999.00	0.00	213.2 (2-Lane)
1.300	27.04	999.00	8.21	999.00	0.00	285.2 (1-Lane)
1.400	17.16	999.00	5.21	999.00	0.00	181.0 (2-Lane)
1.400	22.95	999.00	6.97	999.00	0.00	242.1 (1-Lane)
1.500	16.42	999.00	4.98	999.00	0.00	173.2 (2-Lane)
1.500	21.95	999.00	6.66	999.00	0.00	231.6 (1-Lane)
1.600	17.16	999.00	5.21	999.00	0.00	181.0 (2-Lane)
1.600	22.95	999.00	6.97	999.00	0.00	242.1 (1-Lane)
1.700	20.22	999.00	6.14	999.00	0.00	213.2 (2-Lane)
1.700	27.04	999.00	8.21	999.00	0.00	285.2 (1-Lane)
1.800	28.13	999.00	8.53	999.00	0.00	296.5 (2-Lane)
1.800	37.62	999.00	11.41	999.00	0.00	396.6 (1-Lane)
1.900	55.47	999.00	16.81	999.00	0.00	584.3 (2-Lane)
1.900	74.18	999.00	22.49	999.00	0.00	781.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: I-LEGL
Rating Live Load: SU7

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
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1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
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1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	416.40 R	313.08	311.35 R	234.10
1.200	455.9	70.2	751.06 R	564.71	561.60 R	422.25
1.300	598.3	92.1	1004.00 R	754.88	750.72 R	564.45
1.400	683.8	105.3	1135.75 R	853.95	849.24 R	638.53
1.500	712.3	109.7	1175.91 R	884.14	879.27 R	661.11
1.600	683.8	105.3	1135.75 R	853.95	849.24 R	638.53
1.700	598.3	92.1	1004.00 R	754.88	750.72 R	564.45
1.800	455.9	70.2	751.06 R	564.71	561.60 R	422.25
1.900	256.4	39.5	416.40 R	313.08	311.35 R	234.10
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G12								
Rating Type: I-LEGL								
Rating Live Load: SU7								
Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.300	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.400	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.500	6096.9	6096.9	0.0	0.0	5274.9	5274.9	-822.0	-822.0
1.600	6096.9	6096.9	0.0	0.0	5307.8	5307.8	-789.1	-789.1
1.700	6096.9	6096.9	0.0	0.0	5406.4	5406.4	-690.5	-690.5
1.800	6096.9	6096.9	0.0	0.0	5570.8	5570.8	-526.1	-526.1
1.900	6096.9	6096.9	0.0	0.0	5801.0	5801.0	-295.9	-295.9
1.949	6096.9	6096.9	0.0	0.0	5965.1	5965.1	-131.8	-131.8
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01						
Member I. D. G12						
Rating Type: I-LEGL						
Rating Live Load: SU7						
Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.02	999.00	14.02	999.00	0.00	543.4 (2-Lane)
1.100	18.75	999.00	18.75	999.00	0.00	726.7 (1-Lane)
1.200	7.42	999.00	7.42	999.00	0.00	287.4 (2-Lane)
1.200	9.92	999.00	9.92	999.00	0.00	384.4 (1-Lane)
1.300	5.39	999.00	5.39	999.00	0.00	208.7 (2-Lane)
1.300	7.20	999.00	7.20	999.00	0.00	279.1 (1-Lane)
1.400	4.67	999.00	4.67	999.00	0.00	181.1 (2-Lane)
1.400	6.25	999.00	6.25	999.00	0.00	242.2 (1-Lane)
1.500	4.49	999.00	4.49	999.00	0.00	173.8 (2-Lane)
1.500	6.00	999.00	6.00	999.00	0.00	232.5 (1-Lane)
1.600	4.67	999.00	4.67	999.00	0.00	181.1 (2-Lane)
1.600	6.25	999.00	6.25	999.00	0.00	242.2 (1-Lane)
1.700	5.39	999.00	5.39	999.00	0.00	208.7 (2-Lane)
1.700	7.20	999.00	7.20	999.00	0.00	279.1 (1-Lane)
1.800	7.42	999.00	7.42	999.00	0.00	287.4 (2-Lane)
1.800	9.92	999.00	9.92	999.00	0.00	384.4 (1-Lane)
1.900	13.93	999.00	13.93	999.00	0.00	539.8 (2-Lane)
1.900	18.63	999.00	18.63	999.00	0.00	722.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G12					
Rating Type:	I-LEGL					
Rating Live Load:	SU7					
Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	50.2	0.0	0.00	0.00	0.00	0.00
1.051	48.1	6.9	87.66	65.91	76.38	57.43
1.100	46.1	6.2	81.75	61.46	71.22	53.55
1.200	30.1	4.6	69.57	52.31	60.62	45.58
1.300	20.1	3.1	57.40	43.16	50.01	37.60
1.400	10.0	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-10.0	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-20.1	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-30.1	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-40.1	-6.2	-81.75	-61.46	-71.22	-53.55
1.949	-45.0	-13.9	-87.66	-65.91	-76.38	-57.43
2.000	-50.2	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: I-LEGL
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (2-Lane)
1.051	65.6	129.9	195.5	-257.4	133.5 (1-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (2-Lane)
1.100	74.9	143.2	218.0	-270.3	165.7 (1-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (2-Lane)
1.200	95.6	82.6	178.1	-212.9	143.4 (1-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (2-Lane)
1.300	108.0	82.6	190.6	-213.7	167.4 (1-Lane)
1.400	87.1	30.6	117.6	-129.2	106.1 (2-Lane)
1.400	90.7	30.6	121.3	-132.8	109.7 (1-Lane)
1.500	49.7	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	50.5	48.2	98.8	-98.8	98.8 (1-Lane)
1.600	87.1	30.6	117.7	-106.1	129.2 (2-Lane)
1.600	90.7	30.6	121.3	-109.7	132.8 (1-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (2-Lane)
1.700	108.0	82.6	190.6	-167.4	213.7 (1-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (2-Lane)
1.800	95.6	82.6	178.1	-143.4	212.9 (1-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (2-Lane)
1.900	78.2	147.9	226.0	-179.7	272.4 (1-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (2-Lane)
1.949	67.3	132.3	199.6	-140.7	258.5 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12
Rating Type: I-LEGL
Rating Live Load: SU7

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	277.32	1.52	0.00	59.0 (2-Lane)
1.051	318.30	1.75	0.00	67.8 (1-Lane)
1.100	149.66	2.03	0.00	78.6 (2-Lane)
1.100	171.78	2.33	0.00	90.2 (1-Lane)
1.200	37.22	2.06	0.00	79.9 (2-Lane)
1.200	42.72	2.37	0.00	91.7 (1-Lane)
1.300	15.83	2.92	0.00	113.0 (2-Lane)
1.300	18.17	3.35	0.00	129.7 (1-Lane)
1.400	5.57	2.35	0.00	90.9 (2-Lane)
1.400	6.57	2.78	0.00	107.8 (1-Lane)
1.500	2.92	2.92	0.00	113.0 (2-Lane)
1.500	3.38	3.38	0.00	130.8 (1-Lane)
1.600	2.35	5.57	0.00	90.9 (2-Lane)
1.600	2.78	6.57	0.00	107.8 (1-Lane)

1.700	2.92	15.83	0.00	113.0 (2-Lane)
1.700	3.35	18.17	0.00	129.7 (1-Lane)
1.800	2.06	37.22	0.00	79.9 (2-Lane)
1.800	2.37	42.72	0.00	91.7 (1-Lane)
1.900	2.20	150.80	0.00	85.2 (2-Lane)
1.900	2.52	173.08	0.00	97.8 (1-Lane)
1.949	1.61	278.46	0.00	62.2 (2-Lane)
1.949	1.84	319.61	0.00	71.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05
1.200	455.9	70.2	375.53 R	282.35	280.80 R	211.13
1.300	598.3	92.1	502.00 R	377.44	375.36 R	282.23
1.400	683.8	105.3	567.88 R	426.97	424.62 R	319.26
1.500	712.3	109.7	587.96 R	442.07	439.63 R	330.55
1.600	683.8	105.3	567.88 R	426.97	424.62 R	319.26
1.700	598.3	92.1	502.00 R	377.44	375.36 R	282.23
1.800	455.9	70.2	375.53 R	282.35	280.80 R	211.13
1.900	256.4	39.5	208.20 R	156.54	155.68 R	117.05
1.949	131.8	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2316

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.1	-5.4
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.9
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G12

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)

1.100	71.39	999.00	21.73	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 842.0 (1-Lane)
1.200	26.89	999.00	8.16	999.00	0.00 316.1 (2-Lane)
1.200	35.97	999.00	10.91	999.00	0.00 422.7 (1-Lane)
1.300	18.78	999.00	5.70	999.00	0.00 220.9 (2-Lane)
1.300	25.12	999.00	7.62	999.00	0.00 295.4 (1-Lane)
1.400	15.90	999.00	4.83	999.00	0.00 187.0 (2-Lane)
1.400	21.26	999.00	6.45	999.00	0.00 250.1 (1-Lane)
1.500	15.12	999.00	4.59	999.00	0.00 178.0 (2-Lane)
1.500	20.23	999.00	6.14	999.00	0.00 238.0 (1-Lane)
1.600	15.90	999.00	4.83	999.00	0.00 187.0 (2-Lane)
1.600	21.26	999.00	6.45	999.00	0.00 250.1 (1-Lane)
1.700	18.78	999.00	5.70	999.00	0.00 220.9 (2-Lane)
1.700	25.12	999.00	7.62	999.00	0.00 295.4 (1-Lane)
1.800	26.89	999.00	8.16	999.00	0.00 316.1 (2-Lane)
1.800	35.97	999.00	10.91	999.00	0.00 422.7 (1-Lane)
1.900	53.01	999.00	16.07	999.00	0.00 622.7 (2-Lane)
1.900	70.90	999.00	21.49	999.00	0.00 832.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01
 NBI ID 9999999
 Facility Carried I ###
 Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment											
Span 1				Span 2				Span 3			
	R1	R2	R3	R1	R2	R3	R1	R2	R3		
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Span 1				Span 2				Span 3			
	R1	R2	R3	R1	R2	R3	R1	R2	R3		
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		

LRFD LLDF Shear											
		Span 1			Span 2			Span 3			
		R1	R2	R3	R1	R2	R3	R1	R2	R3	
1-lane DF		0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
1-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		Span 1			Span 2			Span 3			
		R1	R2	R3	R1	R2	R3	R1	R2	R3	
2-lane DF		0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
2-lane ft		56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Comments:

Member ID G13 01-IG013
 Symmetry:
 Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	56.786	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)
			Left	Right	Length
1	W	0.000	217.7	217.7	56.786
1	Z	0.000	169.9	169.9	56.786
					0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section

properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Span	Sect. Area	Neutral Axis Top Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi Total Ff
1.000	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 532.8 761.4
1.051	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 523.6 770.6
1.100	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 515.2 779.0
1.200	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 498.9 795.3
1.300	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 488.3 805.9
1.400	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 481.9 812.3
1.500	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 479.8 814.4
1.600	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 481.9 812.3
1.700	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 488.3 805.9
1.800	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 498.9 795.3
1.900	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 513.7 780.5
1.949	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 522.8 771.4
2.000	559.5	24.70 20.30	125390.4	5071.1	6185.0	14.19	1294.2 532.8 761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Span	Neutral Axis Top Bott.	Moment of Inertia +Bend (n=n) +Bend (n=3n)	Section Modulus +Bend (n=n) +Bend (n=3n)
1.000	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.051	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.100	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.200	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.300	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.400	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.500	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.600	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.700	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.800	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.900	11.30 33.70	374993.6 242400.3	33108.6 11136.0
1.949	11.30 33.70	374993.6 242400.3	33108.6 11136.0
2.000	11.30 33.70	374993.6 242400.3	33108.6 11136.0

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SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area Dy
1.000	80.00	7.50	6.00	0.00 0.00
1.051	80.00	7.50	6.00	0.00 0.00
1.100	80.00	7.50	6.00	0.00 0.00
1.200	80.00	7.50	6.00	0.00 0.00
1.300	80.00	7.50	6.00	0.00 0.00
1.400	80.00	7.50	6.00	0.00 0.00
1.500	80.00	7.50	6.00	0.00 0.00
1.600	80.00	7.50	6.00	0.00 0.00
1.700	80.00	7.50	6.00	0.00 0.00
1.800	80.00	7.50	6.00	0.00 0.00
1.900	80.00	7.50	6.00	0.00 0.00

1.949 80.00 7.50 6.00 0.00 0.00
2.000 80.00 7.50 6.00 0.00 0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2320

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	LL	LL	LL	LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00
1.200	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00
1.300	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00
1.400	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00
1.500	692.1	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00
1.600	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00
1.700	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00
1.800	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00
1.900	249.2	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.1 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.3 (1-Lane)
1.200	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.200	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.300	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.300	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.400	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	132.2 (2-Lane)
1.500	4.91	999.00	4.91	999.00	0.00	176.7 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.600	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)

1.700	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.700	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.800	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.800	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.900	10.17	999.00	10.17	999.00	0.00	366.2 (2-Lane)
1.900	13.60	999.00	13.60	999.00	0.00	489.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2323

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	118.11	0.00	94.04	0.00
1.100	43.8	6.2	109.99	0.00	87.42	0.00
1.200	29.3	4.6	93.63	0.00	74.13	0.00
1.300	19.5	3.1	77.74	0.00	61.31	0.00
1.400	9.8	1.5	62.33	0.00	48.96	0.00
1.500	0.0	0.0	47.38	0.00	37.08	0.00
1.600	-9.8	-1.5	-62.33	0.00	-48.96	0.00
1.700	-19.5	-3.1	-77.74	0.00	-61.31	0.00
1.800	-29.3	-4.6	-93.63	0.00	-74.13	0.00
1.900	-39.0	-6.2	-109.99	0.00	-87.41	0.00
1.949	-43.7	-13.9	-118.11	0.00	-94.04	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.9	30.6	127.5	-138.8	116.2 (2-Lane)
1.400	101.9	30.6	132.5	-143.8	121.2 (1-Lane)
1.500	59.7	48.2	108.0	-108.0	108.0 (2-Lane)
1.500	61.6	48.2	109.8	-109.8	109.8 (1-Lane)
1.600	96.9	30.6	127.5	-116.2	138.8 (2-Lane)
1.600	101.9	30.6	132.5	-121.2	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.15	0.00	41.3 (2-Lane)
1.051	103.83	1.32	0.00	47.4 (1-Lane)
1.100	48.17	1.53	0.00	55.0 (2-Lane)
1.100	55.29	1.75	0.00	63.1 (1-Lane)
1.200	13.98	1.53	0.00	55.0 (2-Lane)
1.200	16.04	1.75	0.00	63.2 (1-Lane)
1.300	8.52	2.14	0.00	77.1 (2-Lane)
1.300	9.78	2.46	0.00	88.5 (1-Lane)
1.400	3.96	1.87	0.00	67.1 (2-Lane)
1.400	4.70	2.23	0.00	80.3 (1-Lane)
1.500	2.28	2.28	0.00	82.0 (2-Lane)
1.500	2.66	2.66	0.00	95.8 (1-Lane)
1.600	1.87	3.96	0.00	67.1 (2-Lane)
1.600	2.23	4.70	0.00	80.3 (1-Lane)
1.700	2.14	8.52	0.00	77.1 (2-Lane)
1.700	2.46	9.78	0.00	88.5 (1-Lane)
1.800	1.53	13.98	0.00	55.0 (2-Lane)
1.800	1.75	16.04	0.00	63.2 (1-Lane)
1.900	1.63	46.51	0.00	58.7 (2-Lane)
1.900	1.87	53.38	0.00	67.4 (1-Lane)
1.949	1.20	88.82	0.00	43.0 (2-Lane)
1.949	1.37	101.94	0.00	49.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN
Rating Live Load: HL93

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2326

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2327

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S

Rating Live Load: HL93

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.58	999.00	12.96	999.00	0.00	466.5 (2-Lane)
1.100	56.94	999.00	17.33	999.00	0.00	623.9 (1-Lane)
1.200	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.200	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.300	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.300	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.400	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.400	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.500	13.55	999.00	4.12	999.00	0.00	148.5 (2-Lane)
1.500	18.12	999.00	5.52	999.00	0.00	198.6 (1-Lane)
1.600	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.600	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.700	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.700	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.800	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.800	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.900	42.34	999.00	12.84	999.00	0.00	462.4 (2-Lane)
1.900	56.62	999.00	17.18	999.00	0.00	618.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	463.43 R	0.00	348.45 R	0.00
1.200	443.0	70.2	800.87 R	0.00	602.16 R	0.00
1.300	581.4	92.1	1012.32 R	0.00	761.14 R	0.00
1.400	664.5	105.3	1132.28 R	0.00	851.34 R	0.00
1.500	692.1	109.7	1143.51 R	0.00	859.78 R	0.00
1.600	664.5	105.3	1132.28 R	0.00	851.34 R	0.00
1.700	581.4	92.1	1012.32 R	0.00	761.14 R	0.00
1.800	443.0	70.2	800.87 R	0.00	602.16 R	0.00
1.900	249.2	39.5	463.43 R	0.00	348.45 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2329

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5

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1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-INV

Rating Live Load:

HS20

Moment									
Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00		999.00	999.00	999.00	999.0	(2-Lane)	
1.000	999.00	999.00		999.00	999.00	999.00	999.0	(1-Lane)	
1.051	999.00	999.00		999.00	999.00	999.00	999.0	(2-Lane)	
1.051	999.00	999.00		999.00	999.00	999.00	999.0	(1-Lane)	
1.100	12.60	999.00		12.60	999.00	251.99	453.6	(2-Lane)	
1.100	16.85	999.00		16.85	999.00	337.01	606.6	(1-Lane)	
1.200	6.97	999.00		6.97	999.00	139.44	251.0	(2-Lane)	
1.200	9.32	999.00		9.32	999.00	186.48	335.7	(1-Lane)	
1.300	5.36	999.00		5.36	999.00	107.15	192.9	(2-Lane)	
1.300	7.16	999.00		7.16	999.00	143.30	257.9	(1-Lane)	
1.400	4.70	999.00		4.70	999.00	94.10	169.4	(2-Lane)	
1.400	6.29	999.00		6.29	999.00	125.84	226.5	(1-Lane)	
1.500	4.63	999.00		4.63	999.00	92.61	166.7	(2-Lane)	
1.500	6.19	999.00		6.19	999.00	123.86	222.9	(1-Lane)	
1.600	4.70	999.00		4.70	999.00	94.10	169.4	(2-Lane)	
1.600	6.29	999.00		6.29	999.00	125.84	226.5	(1-Lane)	
1.700	5.36	999.00		5.36	999.00	107.15	192.9	(2-Lane)	
1.700	7.16	999.00		7.16	999.00	143.30	257.9	(1-Lane)	
1.800	6.97	999.00		6.97	999.00	139.44	251.0	(2-Lane)	
1.800	9.32	999.00		9.32	999.00	186.48	335.7	(1-Lane)	
1.900	12.53	999.00		12.53	999.00	250.66	451.2	(2-Lane)	
1.900	16.76	999.00		16.76	999.00	335.23	603.4	(1-Lane)	
1.949	999.00	999.00		999.00	999.00	999.00	999.0	(2-Lane)	
1.949	999.00	999.00		999.00	999.00	999.00	999.0	(1-Lane)	
2.000	999.00	999.00		999.00	999.00	999.00	999.0	(2-Lane)	
2.000	999.00	999.00		999.00	999.00	999.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-INV

Rating Live Load:

HS20

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL			
	1.25		1.25		1.75		1.75			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane		Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	96.99	0.00	72.93	0.00	84.51	0.00	63.54	0.00
1.100	43.8	6.2	90.98	0.00	68.41	0.00	79.27	0.00	59.60	0.00
1.200	29.3	4.6	78.61	0.00	59.11	0.00	68.49	0.00	51.50	0.00
1.300	19.5	3.1	66.24	0.00	49.81	0.00	57.72	0.00	43.40	0.00
1.400	9.8	1.5	53.88	0.00	40.51	0.00	46.94	0.00	35.29	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19	0.00
1.600	-9.8	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29	0.00
1.700	-19.5	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40	0.00
1.800	-29.3	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50	0.00
1.900	-39.0	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60	0.00
1.949	-43.7	-13.9	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type: I-INV
Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	98.4	30.6	128.9	-140.2	117.7 (2-Lane)
1.400	102.4	30.6	132.9	-144.2	121.7 (1-Lane)
1.500	60.2	48.2	108.5	-108.5	108.5 (2-Lane)
1.500	61.3	48.2	109.6	-109.6	109.6 (1-Lane)
1.600	98.4	30.6	129.0	-117.7	140.2 (2-Lane)
1.600	102.4	30.6	133.0	-121.7	144.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: HS20

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.40	27.92	50.3 (2-Lane)
1.051	103.83	1.60	32.05	57.7 (1-Lane)
1.100	48.76	1.85	36.93	66.5 (2-Lane)
1.100	55.97	2.12	42.39	76.3 (1-Lane)
1.200	19.18	1.82	36.42	65.5 (2-Lane)
1.200	22.02	2.09	41.80	75.2 (1-Lane)
1.300	10.90	2.51	50.27	90.5 (2-Lane)
1.300	12.51	2.88	57.70	103.9 (1-Lane)
1.400	4.61	2.18	43.67	78.6 (2-Lane)
1.400	5.44	2.59	51.83	93.3 (1-Lane)
1.500	2.61	2.61	52.26	94.1 (2-Lane)
1.500	3.03	3.03	60.59	109.1 (1-Lane)
1.600	2.18	4.61	43.68	78.6 (2-Lane)
1.600	2.59	5.44	51.83	93.3 (1-Lane)
1.700	2.51	10.90	50.27	90.5 (2-Lane)
1.700	2.88	12.51	57.70	103.9 (1-Lane)
1.800	1.82	19.18	36.42	65.5 (2-Lane)
1.800	2.09	22.02	41.80	75.2 (1-Lane)
1.900	1.97	49.06	39.42	71.0 (2-Lane)
1.900	2.26	56.31	45.24	81.4 (1-Lane)
1.949	1.46	90.77	29.12	52.4 (2-Lane)
1.949	1.67	104.18	33.42	60.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.00		1.00		LL		LL	
					0.80		0.80	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
								0.00

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1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11
1.200	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83
1.300	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17
1.400	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01
1.500	553.7	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89
1.600	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01
1.700	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17
1.800	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83
1.900	199.3	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2334

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.46	999.00	15.97	999.00	319.35	574.8 (2-Lane)
1.100	70.16	999.00	21.35	999.00	427.09	768.8 (1-Lane)
1.200	27.66	999.00	8.40	999.00	168.02	302.4 (2-Lane)
1.200	36.99	999.00	11.24	999.00	224.71	404.5 (1-Lane)
1.300	20.45	999.00	6.22	999.00	124.38	223.9 (2-Lane)
1.300	27.35	999.00	8.32	999.00	166.34	299.4 (1-Lane)
1.400	17.51	999.00	5.33	999.00	106.62	191.9 (2-Lane)
1.400	23.42	999.00	7.13	999.00	142.59	256.7 (1-Lane)
1.500	17.09	999.00	5.20	999.00	104.06	187.3 (2-Lane)
1.500	22.85	999.00	6.96	999.00	139.16	250.5 (1-Lane)
1.600	17.51	999.00	5.33	999.00	106.62	191.9 (2-Lane)
1.600	23.42	999.00	7.13	999.00	142.59	256.7 (1-Lane)
1.700	20.45	999.00	6.22	999.00	124.38	223.9 (2-Lane)
1.700	27.35	999.00	8.32	999.00	166.34	299.4 (1-Lane)
1.800	27.66	999.00	8.40	999.00	168.02	302.4 (2-Lane)
1.800	36.99	999.00	11.24	999.00	224.71	404.5 (1-Lane)
1.900	52.17	999.00	15.83	999.00	316.51	569.7 (2-Lane)
1.900	69.77	999.00	21.17	999.00	423.29	761.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.36	999.00	17.36	999.00	0.00	433.9 (2-Lane)
1.100	23.21	999.00	23.21	999.00	0.00	580.3 (1-Lane)
1.200	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.200	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.300	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.300	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.400	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.400	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.500	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.500	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.600	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.600	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.700	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.700	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.800	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.800	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.900	17.26	999.00	17.26	999.00	0.00	431.6 (2-Lane)

1.900 23.09 999.00 23.09 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 577.2 (1-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.22	0.00	52.80	0.00	61.18	0.00	46.00
1.100	43.8	6.2	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	29.3	4.6	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	19.5	3.1	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	9.8	1.5	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-9.8	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-19.5	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-29.3	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-39.0	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.949	-43.7	-13.9	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.4	30.6	123.9	-135.2	112.6 (2-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (1-Lane)
1.500	55.3	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (1-Lane)
1.600	93.4	30.6	123.9	-112.6	135.2 (2-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.93	0.00	48.2 (2-Lane)
1.051	195.44	2.21	0.00	55.3 (1-Lane)
1.100	70.85	2.54	0.00	63.6 (2-Lane)

1.100	81.31	2.92	0.00	73.0 (1-Lane)
1.200	21.92	2.49	0.00	62.3 (2-Lane)
1.200	25.15	2.86	0.00	71.5 (1-Lane)
1.300	13.69	3.41	0.00	85.2 (2-Lane)
1.300	15.71	3.91	0.00	97.8 (1-Lane)
1.400	5.85	2.80	0.00	69.9 (2-Lane)
1.400	6.85	3.28	0.00	82.1 (1-Lane)
1.500	3.27	3.27	0.00	81.6 (2-Lane)
1.500	3.75	3.75	0.00	93.8 (1-Lane)
1.600	2.80	5.85	0.00	69.9 (2-Lane)
1.600	3.28	6.85	0.00	82.1 (1-Lane)
1.700	3.41	13.69	0.00	85.2 (2-Lane)
1.700	3.91	15.71	0.00	97.8 (1-Lane)
1.800	2.49	21.92	0.00	62.3 (2-Lane)
1.800	2.86	25.15	0.00	71.5 (1-Lane)
1.900	2.71	71.29	0.00	67.9 (2-Lane)
1.900	3.12	81.82	0.00	77.9 (1-Lane)
1.949	2.01	170.85	0.00	50.3 (2-Lane)
1.949	2.31	196.10	0.00	57.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2342

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN

Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2342

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S

Rating Live Load: 3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2344

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3S2

Gamma	DC		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL
	1.25	1.25	1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	692.1	109.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	249.2	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2345

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.71	999.00	14.71	999.00	0.00	588.3 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	786.8 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.200	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.500	5.69	999.00	5.69	999.00	0.00	227.7 (2-Lane)
1.500	7.61	999.00	7.61	999.00	0.00	304.5 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.800	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.900	14.63	999.00	14.63	999.00	0.00	585.2 (2-Lane)
1.900	19.57	999.00	19.57	999.00	0.00	782.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2347

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	67.45	0.00	50.72	0.00
1.100	43.8	6.2	77.94	0.00	58.60	0.00
1.200	29.3	4.6	64.20	0.00	48.27	0.00
1.300	19.5	3.1	50.91	0.00	38.28	0.00
1.400	9.8	1.5	39.54	0.00	29.73	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00
1.600	-9.8	-1.5	-39.54	0.00	-29.73	0.00
1.700	-19.5	-3.1	-50.91	0.00	-38.28	0.00
1.800	-29.3	-4.6	-64.20	0.00	-48.27	0.00
1.900	-39.0	-6.2	-77.94	0.00	-58.60	0.00
1.949	-43.7	-13.9	-84.62	0.00	-63.62	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: 3S2

Shear Resistance Available Resistance for LL+I
Vc Vs Vn (-) (+)
Page 951

1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.8	30.6	118.4	-129.7	107.1 (2-Lane)
1.400	90.8	30.6	121.4	-132.7	110.1 (1-Lane)
1.500	49.2	48.2	97.4	-97.4	97.4 (2-Lane)
1.500	49.5	48.2	97.7	-97.7	97.7 (1-Lane)
1.600	87.8	30.6	118.4	-107.1	129.7 (2-Lane)
1.600	90.8	30.6	121.4	-110.1	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2349

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	2.01	0.00	80.3 (2-Lane)
1.051	195.44	2.30	0.00	92.2 (1-Lane)
1.100	70.85	2.16	0.00	86.2 (2-Lane)
1.100	81.31	2.47	0.00	99.0 (1-Lane)
1.200	21.92	2.23	0.00	89.2 (2-Lane)
1.200	25.15	2.56	0.00	102.4 (1-Lane)
1.300	13.69	3.27	0.00	130.8 (2-Lane)
1.300	15.71	3.75	0.00	150.2 (1-Lane)
1.400	6.09	2.71	0.00	108.3 (2-Lane)
1.400	7.15	3.20	0.00	127.9 (1-Lane)
1.500	3.43	3.43	0.00	137.3 (2-Lane)
1.500	3.95	3.95	0.00	158.1 (1-Lane)
1.600	2.71	6.09	0.00	108.3 (2-Lane)
1.600	3.20	7.15	0.00	127.9 (1-Lane)
1.700	3.27	13.69	0.00	130.8 (2-Lane)
1.700	3.75	15.71	0.00	150.2 (1-Lane)
1.800	2.23	21.92	0.00	89.2 (2-Lane)
1.800	2.56	25.15	0.00	102.4 (1-Lane)
1.900	2.30	71.29	0.00	92.0 (2-Lane)
1.900	2.64	81.82	0.00	105.6 (1-Lane)
1.949	1.67	170.85	0.00	66.8 (2-Lane)
1.949	1.92	196.10	0.00	76.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2350

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00
1.200	354.4	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00
1.300	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00
1.400	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00
1.500	553.7	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00
1.600	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00
1.700	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00

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1.800	354.4	56.2	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2350

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2351

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2352

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	(2-Lane)		(1-Lane)							
	DC 1.25	DW 1.25	LL 1.75	LL 1.75						
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2353

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2354

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.14	999.00	17.14	999.00	0.00	685.5 (2-Lane)
1.100	22.92	999.00	22.92	999.00	0.00	916.8 (1-Lane)
1.200	9.93	999.00	9.93	999.00	0.00	397.1 (2-Lane)
1.200	13.28	999.00	13.28	999.00	0.00	531.1 (1-Lane)
1.300	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.300	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)
1.400	7.20	999.00	7.20	999.00	0.00	287.9 (2-Lane)
1.400	9.63	999.00	9.63	999.00	0.00	385.0 (1-Lane)
1.500	6.75	999.00	6.75	999.00	0.00	269.9 (2-Lane)
1.500	9.02	999.00	9.02	999.00	0.00	360.9 (1-Lane)
1.600	7.20	999.00	7.20	999.00	0.00	287.9 (2-Lane)
1.600	9.63	999.00	9.63	999.00	0.00	385.0 (1-Lane)
1.700	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.700	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)
1.800	9.93	999.00	9.93	999.00	0.00	397.1 (2-Lane)
1.800	13.28	999.00	13.28	999.00	0.00	531.1 (1-Lane)
1.900	17.05	999.00	17.05	999.00	0.00	681.9 (2-Lane)
1.900	22.80	999.00	22.80	999.00	0.00	911.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2355

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.57	0.00	54.56	0.00	63.22	0.00	47.54
1.100	43.8	6.2	66.89	0.00	50.29	0.00	58.28	0.00	43.82
1.200	29.3	4.6	55.21	0.00	41.51	0.00	48.10	0.00	36.17
1.300	19.5	3.1	43.53	0.00	32.73	0.00	37.92	0.00	28.51
1.400	9.8	1.5	33.97	0.00	25.54	0.00	29.60	0.00	22.26
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30
1.600	-9.8	-1.5	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26
1.700	-19.5	-3.1	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51
1.800	-29.3	-4.6	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17
1.900	-39.0	-6.2	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82
1.949	-43.7	-13.9	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2356

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.7	30.6	119.2	-130.5	107.9 (2-Lane)
1.400	90.8	30.6	121.3	-132.6	110.0 (1-Lane)
1.500	49.8	48.2	98.0	-98.0	98.0 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.7	30.6	119.2	-108.0	130.5 (2-Lane)
1.600	90.8	30.6	121.3	-110.0	132.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	206.77	1.87	0.00	74.6 (2-Lane)
1.051	237.32	2.14	0.00	85.7 (1-Lane)
1.100	86.03	2.51	0.00	100.5 (2-Lane)
1.100	98.74	2.88	0.00	115.3 (1-Lane)
1.200	26.61	2.59	0.00	103.7 (2-Lane)
1.200	30.55	2.98	0.00	119.0 (1-Lane)
1.300	16.62	3.83	0.00	153.0 (2-Lane)
1.300	19.08	4.39	0.00	175.6 (1-Lane)

1.400	6.92	3.18	0.00	127.1 (2-Lane)
1.400	8.07	3.72	0.00	148.7 (1-Lane)
1.500	3.71	3.71	0.00	148.4 (2-Lane)
1.500	4.25	4.25	0.00	170.0 (1-Lane)
1.600	3.18	6.92	0.00	127.1 (2-Lane)
1.600	3.72	8.07	0.00	148.7 (1-Lane)
1.700	3.83	16.62	0.00	153.0 (2-Lane)
1.700	4.39	19.08	0.00	175.6 (1-Lane)
1.800	2.59	26.61	0.00	103.7 (2-Lane)
1.800	2.98	30.55	0.00	119.0 (1-Lane)
1.900	2.68	86.56	0.00	107.2 (2-Lane)
1.900	3.08	99.35	0.00	123.1 (1-Lane)
1.949	1.95	207.47	0.00	77.8 (2-Lane)
1.949	2.23	238.12	0.00	89.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: 3-3

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	692.1	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Positive Top	Resistance Bending Bott.	Available Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.71	999.00	15.71	999.00	0.00	424.2 (2-Lane)
1.100	21.01	999.00	21.01	999.00	0.00	567.4 (1-Lane)
1.200	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.200	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.300	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.300	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.500	5.43	999.00	5.43	999.00	0.00	146.7 (2-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	196.2 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.700	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.700	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.800	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.800	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.900	15.63	999.00	15.63	999.00	0.00	422.0 (2-Lane)
1.900	20.90	999.00	20.90	999.00	0.00	564.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	77.46	0.00	58.24	0.00	67.49	0.00
1.100	43.8	6.2	72.95	0.00	54.85	0.00	63.56	0.00
1.200	29.3	4.6	63.68	0.00	47.88	0.00	55.48	0.00
1.300	19.5	3.1	54.40	0.00	40.90	0.00	47.40	0.00
1.400	9.8	1.5	45.13	0.00	33.93	0.00	39.32	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00
1.600	-9.8	-1.5	-45.13	0.00	-33.93	0.00	-39.32	0.00
1.700	-19.5	-3.1	-54.40	0.00	-40.90	0.00	-47.40	0.00
1.800	-29.3	-4.6	-63.68	0.00	-47.88	0.00	-55.48	0.00
1.900	-39.0	-6.2	-72.95	0.00	-54.85	0.00	-63.56	0.00
1.949	-43.7	-13.9	-77.46	0.00	-58.24	0.00	-67.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: SU4

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)

1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	95.2	30.6	125.7	-137.0	114.4 (2-Lane)
1.400	98.3	30.6	128.9	-140.2	117.6 (1-Lane)
1.500	57.6	48.2	105.9	-105.9	105.9 (2-Lane)
1.500	58.2	48.2	106.4	-106.4	106.4 (1-Lane)
1.600	95.2	30.6	125.7	-114.5	137.0 (2-Lane)
1.600	98.3	30.6	128.9	-117.6	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.75	0.00	47.2 (2-Lane)
1.051	195.44	2.01	0.00	54.2 (1-Lane)
1.100	70.85	2.30	0.00	62.2 (2-Lane)
1.100	81.31	2.64	0.00	71.4 (1-Lane)
1.200	20.21	2.25	0.00	60.7 (2-Lane)
1.200	23.20	2.58	0.00	69.7 (1-Lane)
1.300	11.99	3.06	0.00	82.6 (2-Lane)
1.300	13.77	3.51	0.00	94.8 (1-Lane)
1.400	5.16	2.54	0.00	68.5 (2-Lane)
1.400	6.05	2.99	0.00	80.7 (1-Lane)
1.500	2.95	2.95	0.00	79.7 (2-Lane)
1.500	3.41	3.41	0.00	92.0 (1-Lane)
1.600	2.54	5.16	0.00	68.5 (2-Lane)
1.600	2.99	6.05	0.00	80.7 (1-Lane)
1.700	3.06	11.99	0.00	82.6 (2-Lane)
1.700	3.51	13.77	0.00	94.8 (1-Lane)
1.800	2.25	20.21	0.00	60.7 (2-Lane)
1.800	2.58	23.20	0.00	69.7 (1-Lane)
1.900	2.46	71.29	0.00	66.4 (2-Lane)
1.900	2.82	81.82	0.00	76.2 (1-Lane)
1.949	1.82	170.85	0.00	49.2 (2-Lane)
1.949	2.09	196.10	0.00	56.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2366

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL		LL	
	1.00	1.00	0.80		0.80	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00
1.200	354.4	56.2	296.56 R	0.00	222.98	0.00
1.300	465.1	73.7	380.04 R	0.00	285.75	0.00
1.400	531.6	84.2	433.29 R	0.00	325.78	0.00
1.500	553.7	87.8	445.59 R	0.00	335.03	0.00
1.600	531.6	84.2	433.29 R	0.00	325.78	0.00
1.700	465.1	73.7	380.04 R	0.00	285.75	0.00
1.800	354.4	56.2	296.56 R	0.00	222.98	0.00
1.900	199.3	31.6	169.88 R	0.00	127.73	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2366

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU4

Span	Service Resistance		Available Resistance for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2367

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	19.91	0.00	537.7 (2-Lane)
1.100	87.49	26.63	0.00	719.0 (1-Lane)
1.200	34.14	10.37	0.00	280.0 (2-Lane)
1.200	45.66	13.87	0.00	374.5 (1-Lane)
1.300	24.90	7.57	0.00	204.5 (2-Lane)
1.300	33.30	10.13	0.00	273.4 (1-Lane)
1.400	20.92	6.37	0.00	171.9 (2-Lane)
1.400	27.98	8.52	0.00	230.0 (1-Lane)
1.500	20.05	6.10	0.00	164.8 (2-Lane)
1.500	26.81	8.16	0.00	220.4 (1-Lane)
1.600	20.92	6.37	0.00	171.9 (2-Lane)
1.600	27.98	8.52	0.00	230.0 (1-Lane)
1.700	24.90	7.57	0.00	204.5 (2-Lane)
1.700	33.30	10.13	0.00	273.4 (1-Lane)
1.800	34.14	10.37	0.00	280.0 (2-Lane)
1.800	45.66	13.87	0.00	374.5 (1-Lane)
1.900	65.06	19.74	0.00	532.9 (2-Lane)
1.900	87.00	26.39	0.00	712.6 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2368

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL	LL	LL
1.25	1.25	1.25	1.75	1.75				

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87
1.200	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73
1.300	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15
1.400	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51
1.500	692.1	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87
1.600	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51
1.700	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15
1.800	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73
1.900	249.2	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.16	999.00	14.16	999.00	0.00	438.9 (2-Lane)
1.100	18.93	999.00	18.93	999.00	0.00	587.0 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.200	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.300	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.300	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.400	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.400	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.500	4.98	999.00	4.98	999.00	0.00	154.4 (2-Lane)
1.500	6.66	999.00	6.66	999.00	0.00	206.4 (1-Lane)
1.600	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.600	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.700	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.700	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.800	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.900	14.08	999.00	14.08	999.00	0.00	436.6 (2-Lane)
1.900	18.83	999.00	18.83	999.00	0.00	583.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2371

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	86.14	0.00	64.77	0.00	75.05	56.43
1.100	43.8	6.2	80.96	0.00	60.88	0.00	70.54	53.04
1.200	29.3	4.6	70.32	0.00	52.87	0.00	61.26	46.06
1.300	19.5	3.1	59.67	0.00	44.86	0.00	51.99	39.09
1.400	9.8	1.5	49.02	0.00	36.85	0.00	42.71	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	25.13
1.600	-9.8	-1.5	-49.02	0.00	-36.85	0.00	-42.71	-32.11
1.700	-19.5	-3.1	-59.67	0.00	-44.86	0.00	-51.99	-39.09
1.800	-29.3	-4.6	-70.32	0.00	-52.87	0.00	-61.26	-46.06
1.900	-39.0	-6.2	-80.96	0.00	-60.88	0.00	-70.54	-53.04
1.949	-43.7	-13.9	-86.14	0.00	-64.77	0.00	-75.05	-56.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (2-Lane)
1.400	99.5	30.6	130.1	-141.4	118.8 (1-Lane)
1.500	58.5	48.2	106.8	-106.8	106.8 (2-Lane)
1.500	59.3	48.2	107.6	-107.6	107.6 (1-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (2-Lane)
1.600	99.5	30.6	130.1	-118.8	141.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2373

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.57	0.00	48.7 (2-Lane)
1.051	195.44	1.80	0.00	55.9 (1-Lane)
1.100	70.85	2.08	0.00	64.3 (2-Lane)
1.100	81.31	2.38	0.00	73.8 (1-Lane)
1.200	20.21	2.04	0.00	63.1 (2-Lane)
1.200	23.20	2.34	0.00	72.4 (1-Lane)
1.300	11.22	2.79	0.00	86.5 (2-Lane)
1.300	12.88	3.20	0.00	99.3 (1-Lane)
1.400	4.97	2.35	0.00	72.9 (2-Lane)
1.400	5.86	2.78	0.00	86.3 (1-Lane)
1.500	2.78	2.78	0.00	86.3 (2-Lane)
1.500	3.22	3.22	0.00	99.8 (1-Lane)
1.600	2.35	4.97	0.00	72.9 (2-Lane)
1.600	2.78	5.86	0.00	86.3 (1-Lane)

1.700	2.79	11.22	0.00	86.5 (2-Lane)
1.700	3.20	12.88	0.00	99.3 (1-Lane)
1.800	2.04	20.21	0.00	63.1 (2-Lane)
1.800	2.34	23.20	0.00	72.4 (1-Lane)
1.900	2.21	71.29	0.00	68.7 (2-Lane)
1.900	2.54	81.82	0.00	78.8 (1-Lane)
1.949	1.64	170.85	0.00	50.8 (2-Lane)
1.949	1.88	196.10	0.00	58.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2374

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.0 (1-Lane)

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1.100	58.95	999.00	17.94	999.00	0.00 556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00 743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00 291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00 389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00 211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00 283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00 178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00 239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00 173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00 231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00 178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00 239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00 211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00 283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00 291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00 389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00 551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00 737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.41	999.00	13.41	999.00	0.00	466.2 (2-Lane)
1.100	17.94	999.00	17.94	999.00	0.00	623.4 (1-Lane)
1.200	7.11	999.00	7.11	999.00	0.00	247.1 (2-Lane)
1.200	9.51	999.00	9.51	999.00	0.00	330.4 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	184.7 (2-Lane)
1.300	7.11	999.00	7.11	999.00	0.00	247.1 (1-Lane)
1.400	4.63	999.00	4.63	999.00	0.00	160.9 (2-Lane)
1.400	6.19	999.00	6.19	999.00	0.00	215.2 (1-Lane)
1.500	4.47	999.00	4.47	999.00	0.00	155.3 (2-Lane)
1.500	5.97	999.00	5.97	999.00	0.00	207.6 (1-Lane)
1.600	4.63	999.00	4.63	999.00	0.00	160.9 (2-Lane)
1.600	6.19	999.00	6.19	999.00	0.00	215.2 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	184.7 (2-Lane)
1.700	7.11	999.00	7.11	999.00	0.00	247.1 (1-Lane)
1.800	7.11	999.00	7.11	999.00	0.00	247.1 (2-Lane)
1.800	9.51	999.00	9.51	999.00	0.00	330.4 (1-Lane)
1.900	13.34	999.00	13.34	999.00	0.00	463.7 (2-Lane)
1.900	17.85	999.00	17.85	999.00	0.00	620.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.25	0.00	68.61	0.00	79.51	0.00	59.78	0.00
1.100	43.8	6.2	85.45	0.00	64.25	0.00	74.45	0.00	55.98	0.00
1.200	29.3	4.6	73.51	0.00	55.27	0.00	64.05	0.00	48.16	0.00
1.300	19.5	3.1	61.58	0.00	46.30	0.00	53.65	0.00	40.34	0.00
1.400	9.8	1.5	49.64	0.00	37.32	0.00	43.25	0.00	32.52	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70	0.00
1.600	-9.8	-1.5	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52	0.00
1.700	-19.5	-3.1	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34	0.00
1.800	-29.3	-4.6	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16	0.00
1.900	-39.0	-6.2	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98	0.00
1.949	-43.7	-13.9	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.6	30.6	123.2	-134.5	111.9 (2-Lane)
1.400	96.5	30.6	127.1	-138.4	115.8 (1-Lane)
1.500	55.0	48.2	103.2	-103.2	103.2 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.6	30.6	123.2	-111.9	134.5 (2-Lane)

1.600	96.5	30.6	127.1	-115.8	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.48	0.00	51.6 (2-Lane)
1.051	288.92	1.70	0.00	59.2 (1-Lane)
1.100	119.80	1.97	0.00	68.3 (2-Lane)
1.100	137.50	2.26	0.00	78.4 (1-Lane)
1.200	25.54	1.95	0.00	67.7 (2-Lane)
1.200	29.31	2.23	0.00	77.7 (1-Lane)
1.300	12.50	2.70	0.00	94.0 (2-Lane)
1.300	14.34	3.10	0.00	107.9 (1-Lane)
1.400	5.00	2.26	0.00	78.3 (2-Lane)
1.400	5.91	2.68	0.00	93.1 (1-Lane)
1.500	2.74	2.74	0.00	95.1 (2-Lane)
1.500	3.17	3.17	0.00	110.3 (1-Lane)
1.600	2.26	5.00	0.00	78.3 (2-Lane)
1.600	2.68	5.91	0.00	93.1 (1-Lane)
1.700	2.70	12.50	0.00	94.0 (2-Lane)
1.700	3.10	14.34	0.00	107.9 (1-Lane)
1.800	1.95	25.54	0.00	67.7 (2-Lane)
1.800	2.23	29.31	0.00	77.7 (1-Lane)
1.900	2.10	120.54	0.00	72.9 (2-Lane)
1.900	2.41	138.35	0.00	83.7 (1-Lane)
1.949	1.55	252.57	0.00	53.8 (2-Lane)
1.949	1.78	289.88	0.00	61.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2382

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5 (2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00

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1.700	581.4	92.1	1098.12	R	0.00	825.65	0.00	821.10	R 0.00
1.800	443.0	70.2	821.47	R	0.00	617.65	0.00	614.24	R 0.00
1.900	249.2	39.5	455.43	R	0.00	342.43	0.00	340.54	R 0.00
1.949	128.1	0.0	0.00	R	0.00	0.00	0.00	0.00	R 0.00
2.000	0.0	0.0	0.00	R	0.00	0.00	0.00	0.00	R 0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2385

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.82	999.00	12.82	999.00	0.00	496.8 (2-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	664.4 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.200	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.300	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.300	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.400	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.400	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.5 (2-Lane)
1.500	5.51	999.00	5.51	999.00	0.00	213.4 (1-Lane)
1.600	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.600	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.700	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.700	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.800	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.900	12.75	999.00	12.75	999.00	0.00	494.2 (2-Lane)
1.900	17.06	999.00	17.06	999.00	0.00	660.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-INV
 Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
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1.25

1.25

1.75

1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	95.88	0.00	72.09	0.00	83.54	0.00	62.81
1.100	43.8	6.2	89.41	0.00	67.23	0.00	77.90	0.00	58.57
1.200	29.3	4.6	76.10	0.00	57.22	0.00	66.30	0.00	49.85
1.300	19.5	3.1	62.78	0.00	47.21	0.00	54.70	0.00	41.13
1.400	9.8	1.5	49.47	0.00	37.20	0.00	43.10	0.00	32.41
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05
1.600	-9.8	-1.5	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41
1.700	-19.5	-3.1	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13
1.800	-29.3	-4.6	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85
1.900	-39.0	-6.2	-89.41	0.00	-67.23	0.00	-77.90	0.00	-58.57
1.949	-43.7	-13.9	-95.88	0.00	-72.09	0.00	-83.54	0.00	-62.81
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	93.3	30.6	123.9	-135.2	112.6 (1-Lane)
1.500	51.9	48.2	100.1	-100.1	100.1 (2-Lane)
1.500	53.1	48.2	101.3	-101.3	101.3 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	93.3	30.6	123.9	-112.6	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2389

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-INV

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.41	0.00	54.7 (2-Lane)
1.051	288.92	1.62	0.00	62.8 (1-Lane)
1.100	135.69	1.88	0.00	72.8 (2-Lane)
1.100	155.73	2.16	0.00	83.6 (1-Lane)
1.200	33.72	1.88	0.00	72.9 (2-Lane)
1.200	38.70	2.16	0.00	83.7 (1-Lane)
1.300	14.34	2.65	0.00	102.8 (2-Lane)
1.300	16.46	3.04	0.00	118.0 (1-Lane)
1.400	5.16	2.19	0.00	84.9 (2-Lane)
1.400	6.11	2.61	0.00	101.2 (1-Lane)
1.500	2.73	2.73	0.00	105.6 (2-Lane)
1.500	3.17	3.17	0.00	122.7 (1-Lane)
1.600	2.19	5.16	0.00	84.9 (2-Lane)
1.600	2.61	6.11	0.00	101.2 (1-Lane)
1.700	2.65	14.34	0.00	102.8 (2-Lane)
1.700	3.04	16.46	0.00	118.0 (1-Lane)
1.800	1.88	33.72	0.00	72.9 (2-Lane)
1.800	2.16	38.70	0.00	83.7 (1-Lane)
1.900	2.01	136.53	0.00	77.7 (2-Lane)

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1.900	2.30	156.70	0.00	89.2 (1-Lane)
1.949	1.47	252.57	0.00	57.1 (2-Lane)
1.949	1.69	289.88	0.00	65.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2390

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2390

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0 (1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)

1.400	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2	(2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7	(1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0	(2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	109.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	Rating top fiber +bend	Factor -bend	bottom fiber +bend	-bend	Rating Value	Load Resistance (tons)
------	------------------------------	-----------------	-----------------------	-------	-----------------	------------------------------

9999999_20120831cy17_FlexuralRpt.txt					
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00 477.2 (2-Lane)
1.100	17.73	999.00	17.73	999.00	0.00 638.2 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00 262.6 (2-Lane)
1.200	9.76	999.00	9.76	999.00	0.00 351.2 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00 200.3 (2-Lane)
1.300	7.44	999.00	7.44	999.00	0.00 267.9 (1-Lane)
1.400	4.87	999.00	4.87	999.00	0.00 175.2 (2-Lane)
1.400	6.51	999.00	6.51	999.00	0.00 234.3 (1-Lane)
1.500	4.76	999.00	4.76	999.00	0.00 171.3 (2-Lane)
1.500	6.36	999.00	6.36	999.00	0.00 229.1 (1-Lane)
1.600	4.87	999.00	4.87	999.00	0.00 175.2 (2-Lane)
1.600	6.51	999.00	6.51	999.00	0.00 234.3 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00 200.3 (2-Lane)
1.700	7.44	999.00	7.44	999.00	0.00 267.9 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00 262.6 (2-Lane)
1.800	9.76	999.00	9.76	999.00	0.00 351.2 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00 474.7 (2-Lane)
1.900	17.63	999.00	17.63	999.00	0.00 634.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.11	72.55	0.00	79.38	0.00	63.21
1.100	43.8	6.2	84.85	0.00	67.43	0.00	73.93	0.00
1.200	29.3	4.6	72.23	0.00	57.18	0.00	62.93	0.00
1.300	19.5	3.1	59.97	0.00	47.29	0.00	52.25	0.00
1.400	9.8	1.5	48.08	0.00	37.77	0.00	41.89	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00
1.600	-9.8	-1.5	-48.08	0.00	-37.77	0.00	-41.89	0.00
1.700	-19.5	-3.1	-59.97	0.00	-47.29	0.00	-52.25	0.00
1.800	-29.3	-4.6	-72.23	0.00	-57.18	0.00	-62.93	0.00
1.900	-39.0	-6.2	-84.85	0.00	-67.43	0.00	-73.93	0.00
1.949	-43.7	-13.9	-91.11	0.00	-72.55	0.00	-79.38	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2396

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.9	30.6	123.5	-134.8	112.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.9	30.6	123.5	-112.2	134.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)

1.949 67.0 131.9 198.8 -141.2 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 256.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2397
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G13
Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.49	0.00	53.5 (2-Lane)
1.051	134.59	1.71	0.00	61.4 (1-Lane)
1.100	62.45	1.98	0.00	71.3 (2-Lane)
1.100	71.68	2.27	0.00	81.8 (1-Lane)
1.200	18.12	1.98	0.00	71.3 (2-Lane)
1.200	20.79	2.27	0.00	81.9 (1-Lane)
1.300	11.04	2.78	0.00	99.9 (2-Lane)
1.300	12.67	3.19	0.00	114.7 (1-Lane)
1.400	4.98	2.33	0.00	84.0 (2-Lane)
1.400	5.87	2.77	0.00	99.6 (1-Lane)
1.500	2.83	2.83	0.00	101.9 (2-Lane)
1.500	3.28	3.28	0.00	118.0 (1-Lane)
1.600	2.33	4.98	0.00	84.0 (2-Lane)
1.600	2.77	5.87	0.00	99.6 (1-Lane)
1.700	2.78	11.04	0.00	99.9 (2-Lane)
1.700	3.19	12.67	0.00	114.7 (1-Lane)
1.800	1.98	18.12	0.00	71.3 (2-Lane)
1.800	2.27	20.79	0.00	81.9 (1-Lane)
1.900	2.11	60.29	0.00	76.1 (2-Lane)
1.900	2.43	69.20	0.00	87.3 (1-Lane)
1.949	1.55	115.13	0.00	55.8 (2-Lane)
1.949	1.78	132.14	0.00	64.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2399
MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G13
Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25	1.25		LL 1.35		LL 1.35		LL 1.35		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	109.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G13
Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2401

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: HS20

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.33	999.00	16.33	999.00	326.65	588.0 (2-Lane)
1.100	21.84	999.00	21.84	999.00	436.86	786.3 (1-Lane)
1.200	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.200	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.300	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.300	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.400	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.400	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.500	6.00	999.00	6.00	999.00	120.05	216.1 (2-Lane)
1.500	8.03	999.00	8.03	999.00	160.55	289.0 (1-Lane)
1.600	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.600	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.700	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.700	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.800	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.800	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.900	16.25	999.00	16.25	999.00	324.93	584.9 (2-Lane)
1.900	21.73	999.00	21.73	999.00	434.55	782.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: HS20

Rating Live Load:		HS		(2-Lane)		(1-Lane)	
Gamma	DC 1.25	DW 1.25	LL 1.35	LL 1.35	LL 1.35	LL 1.35	LL 1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.82	0.00	56.26	0.00	49.01
1.100	43.8	6.2	70.18	0.00	52.77	0.00	45.98
1.200	29.3	4.6	60.64	0.00	45.60	0.00	39.73
1.300	19.5	3.1	51.10	0.00	38.42	0.00	33.48
1.400	9.8	1.5	41.56	0.00	31.25	0.00	27.23
1.500	0.0	0.0	32.02	0.00	24.08	0.00	20.98
1.600	-9.8	-1.5	-41.56	0.00	-31.25	0.00	-27.23
1.700	-19.5	-3.1	-51.10	0.00	-38.42	0.00	-33.48
1.800	-29.3	-4.6	-60.64	0.00	-45.60	0.00	-39.73
1.900	-39.0	-6.2	-70.18	0.00	-52.77	0.00	-45.98
1.949	-43.7	-13.9	-74.82	0.00	-56.26	0.00	-49.01
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.6	30.6	124.2	-135.5	112.9 (2-Lane)
1.400	96.4	30.6	127.0	-138.3	115.7 (1-Lane)
1.500	55.0	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	93.6	30.6	124.2	-112.9	135.5 (2-Lane)
1.600	96.4	30.6	127.0	-115.7	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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Structure I. D.	9999999_20120831cy17_01of01
Member I. D.	G13
Rating Type:	I-OPER
Rating Live Load:	HS20

Span	Shear			
	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.81	36.19	65.1 (2-Lane)
1.051	134.59	2.08	41.54	74.8 (1-Lane)
1.100	63.21	2.39	47.88	86.2 (2-Lane)
1.100	72.55	2.75	54.95	98.9 (1-Lane)
1.200	24.87	2.36	47.20	85.0 (2-Lane)
1.200	28.54	2.71	54.18	97.5 (1-Lane)
1.300	14.12	3.26	65.17	117.3 (2-Lane)
1.300	16.21	3.74	74.79	134.6 (1-Lane)
1.400	5.77	2.72	54.33	97.8 (2-Lane)
1.400	6.76	3.19	63.88	115.0 (1-Lane)
1.500	3.22	3.22	64.51	116.1 (2-Lane)
1.500	3.71	3.71	74.16	133.5 (1-Lane)
1.600	2.72	5.77	54.33	97.8 (2-Lane)
1.600	3.19	6.76	63.89	115.0 (1-Lane)
1.700	3.26	14.12	65.17	117.3 (2-Lane)
1.700	3.74	16.21	74.79	134.6 (1-Lane)
1.800	2.36	24.87	47.20	85.0 (2-Lane)
1.800	2.71	28.54	54.18	97.5 (1-Lane)
1.900	2.56	63.60	51.10	92.0 (2-Lane)
1.900	2.93	73.00	58.65	105.6 (1-Lane)
1.949	1.89	117.66	37.75	67.9 (2-Lane)
1.949	2.17	135.04	43.33	78.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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Structure I. D.	9999999_20120831cy17_01of01
Member I. D.	G13
Rating Type:	I-OPER
Rating Live Load:	3

Rating	Live Load:	3	(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	109.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.50	999.00	22.50	999.00	0.00	562.5 (2-Lane)
1.100	30.09	999.00	30.09	999.00	0.00	752.3 (1-Lane)
1.200	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.200	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.300	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.300	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.400	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.400	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.500	8.02	999.00	8.02	999.00	0.00	200.4 (2-Lane)
1.500	10.72	999.00	10.72	999.00	0.00	268.0 (1-Lane)
1.600	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.600	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.700	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.700	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.800	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.800	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.900	22.38	999.00	22.38	999.00	0.00	559.5 (2-Lane)
1.900	29.93	999.00	29.93	999.00	0.00	748.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-13.9	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.3	107.8 (2-Lane)
1.400	90.1	30.6	120.6	-131.9	109.4 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	49.3	48.2	97.5	-97.5	97.5 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	90.1	30.6	120.7	-109.4	131.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.50	0.00	62.5 (2-Lane)
1.051	253.35	2.87	0.00	71.7 (1-Lane)
1.100	91.84	3.30	0.00	82.4 (2-Lane)
1.100	105.41	3.79	0.00	94.6 (1-Lane)
1.200	28.41	3.23	0.00	80.7 (2-Lane)
1.200	32.61	3.71	0.00	92.7 (1-Lane)
1.300	17.75	4.42	0.00	110.4 (2-Lane)
1.300	20.37	5.07	0.00	126.7 (1-Lane)
1.400	7.31	3.47	0.00	86.7 (2-Lane)
1.400	8.50	4.04	0.00	101.0 (1-Lane)

1.500	4.01	4.01	0.00	100.4 (2-Lane)
1.500	4.58	4.58	0.00	114.5 (1-Lane)
1.600	3.47	7.31	0.00	86.7 (2-Lane)
1.600	4.04	8.50	0.00	101.0 (1-Lane)
1.700	4.42	17.75	0.00	110.4 (2-Lane)
1.700	5.07	20.37	0.00	126.7 (1-Lane)
1.800	3.23	28.41	0.00	80.7 (2-Lane)
1.800	3.71	32.61	0.00	92.7 (1-Lane)
1.900	3.52	92.41	0.00	88.0 (2-Lane)
1.900	4.04	106.06	0.00	101.0 (1-Lane)
1.949	2.61	221.48	0.00	65.2 (2-Lane)
1.949	2.99	254.20	0.00	74.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2413

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	109.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)

1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	19.07	999.00	19.07	999.00	0.00 762.6 (2-Lane)
1.100	25.50	999.00	25.50	999.00	0.00 999.0 (1-Lane)
1.200	11.07	999.00	11.07	999.00	0.00 442.7 (2-Lane)
1.200	14.80	999.00	14.80	999.00	0.00 592.0 (1-Lane)
1.300	8.21	999.00	8.21	999.00	0.00 328.5 (2-Lane)
1.300	10.98	999.00	10.98	999.00	0.00 439.3 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00 291.5 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00 389.8 (1-Lane)
1.500	7.38	999.00	7.38	999.00	0.00 295.2 (2-Lane)
1.500	9.87	999.00	9.87	999.00	0.00 394.7 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00 291.5 (2-Lane)
1.600	9.74	999.00	9.74	999.00	0.00 389.8 (1-Lane)
1.700	8.21	999.00	8.21	999.00	0.00 328.5 (2-Lane)
1.700	10.98	999.00	10.98	999.00	0.00 439.3 (1-Lane)
1.800	11.07	999.00	11.07	999.00	0.00 442.7 (2-Lane)
1.800	14.80	999.00	14.80	999.00	0.00 592.0 (1-Lane)
1.900	18.97	999.00	18.97	999.00	0.00 758.6 (2-Lane)
1.900	25.36	999.00	25.36	999.00	0.00 999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	43.8	6.2	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	29.3	4.6	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	19.5	3.1	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	9.8	1.5	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-9.8	-1.5	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-19.5	-3.1	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-29.3	-4.6	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-39.0	-6.2	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-43.7	-13.9	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	83.8	30.6	114.4	-125.7	103.1 (2-Lane)
1.400	85.9	30.6	116.5	-127.8	105.2 (1-Lane)
1.500	44.8	48.2	93.0	-93.0	93.0 (2-Lane)
1.500	44.4	48.2	92.6	-92.6	92.6 (1-Lane)
1.600	83.8	30.6	114.4	-103.1	125.7 (2-Lane)
1.600	85.9	30.6	116.5	-105.2	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2418

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.60	0.00	104.1 (2-Lane)
1.051	253.35	2.99	0.00	119.5 (1-Lane)
1.100	91.84	2.79	0.00	111.8 (2-Lane)
1.100	105.41	3.21	0.00	128.3 (1-Lane)
1.200	28.41	2.89	0.00	115.6 (2-Lane)
1.200	32.61	3.32	0.00	132.7 (1-Lane)
1.300	17.75	4.24	0.00	169.6 (2-Lane)
1.300	20.37	4.87	0.00	194.7 (1-Lane)
1.400	7.65	3.38	0.00	135.2 (2-Lane)
1.400	8.93	3.96	0.00	158.3 (1-Lane)
1.500	4.25	4.25	0.00	169.9 (2-Lane)
1.500	4.86	4.86	0.00	194.3 (1-Lane)
1.600	3.38	7.65	0.00	135.2 (2-Lane)
1.600	3.96	8.93	0.00	158.3 (1-Lane)
1.700	4.24	17.75	0.00	169.6 (2-Lane)
1.700	4.87	20.37	0.00	194.7 (1-Lane)
1.800	2.89	28.41	0.00	115.6 (2-Lane)
1.800	3.32	32.61	0.00	132.7 (1-Lane)
1.900	2.98	92.41	0.00	119.3 (2-Lane)
1.900	3.42	106.06	0.00	136.9 (1-Lane)
1.949	2.16	221.48	0.00	86.5 (2-Lane)
1.949	2.48	254.20	0.00	99.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL			
	1.25		1.25		1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	692.1	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	249.2	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8

1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
Rating Type: I-OPER
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.22	999.00	22.22	999.00	0.00	888.6 (2-Lane)
1.100	29.71	999.00	29.71	999.00	0.00	999.0 (1-Lane)
1.200	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)
1.200	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)
1.300	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)
1.300	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)
1.400	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)
1.400	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)
1.500	8.75	999.00	8.75	999.00	0.00	349.8 (2-Lane)
1.500	11.70	999.00	11.70	999.00	0.00	467.9 (1-Lane)
1.600	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)
1.600	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)
1.700	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)
1.700	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)
1.800	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)
1.800	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)
1.900	22.10	999.00	22.10	999.00	0.00	883.9 (2-Lane)
1.900	29.55	999.00	29.55	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
Rating Type: I-OPER
Rating Live Load: 3-3

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35				(1-Lane) LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane		Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	55.98	0.00	42.09	0.00	48.77	0.00	36.67	0.00
1.100	43.8	6.2	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	29.3	4.6	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	19.5	3.1	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	9.8	1.5	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-9.8	-1.5	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-19.5	-3.1	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00
1.800	-29.3	-4.6	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90	0.00
1.900	-39.0	-6.2	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80	0.00
1.949	-43.7	-13.9	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-OPER
 Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	84.1	30.6	114.7	-126.0	103.4 (2-Lane)
1.400	85.4	30.6	115.9	-127.2	104.6 (1-Lane)
1.500	44.9	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.2	48.2	92.4	-92.4	92.4 (1-Lane)
1.600	84.1	30.6	114.7	-103.4	126.0 (2-Lane)
1.600	85.4	30.6	115.9	-104.6	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	268.04	2.42	0.00	96.8 (2-Lane)
1.051	307.64	2.78	0.00	111.0 (1-Lane)
1.100	111.52	3.26	0.00	130.2 (2-Lane)
1.100	127.99	3.74	0.00	149.5 (1-Lane)
1.200	34.50	3.36	0.00	134.4 (2-Lane)
1.200	39.60	3.86	0.00	154.3 (1-Lane)
1.300	21.55	4.96	0.00	198.4 (2-Lane)
1.300	24.73	5.69	0.00	227.7 (1-Lane)
1.400	8.66	3.94	0.00	157.8 (2-Lane)
1.400	10.04	4.58	0.00	183.3 (1-Lane)
1.500	4.57	4.57	0.00	182.9 (2-Lane)
1.500	5.21	5.21	0.00	208.2 (1-Lane)
1.600	3.94	8.66	0.00	157.8 (2-Lane)
1.600	4.58	10.04	0.00	183.3 (1-Lane)
1.700	4.96	21.55	0.00	198.4 (2-Lane)
1.700	5.69	24.73	0.00	227.7 (1-Lane)
1.800	3.36	34.50	0.00	134.4 (2-Lane)
1.800	3.86	39.60	0.00	154.3 (1-Lane)
1.900	3.47	112.21	0.00	139.0 (2-Lane)
1.900	3.99	128.79	0.00	159.5 (1-Lane)
1.949	2.52	268.94	0.00	100.9 (2-Lane)
1.949	2.89	308.67	0.00	115.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-OPER
 Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.35		1.35	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.37	999.00	20.37	999.00	0.00	549.9 (2-Lane)
1.100	27.24	999.00	27.24	999.00	0.00	735.5 (1-Lane)
1.200	11.16	999.00	11.16	999.00	0.00	301.3 (2-Lane)
1.200	14.92	999.00	14.92	999.00	0.00	402.9 (1-Lane)
1.300	8.46	999.00	8.46	999.00	0.00	228.3 (2-Lane)
1.300	11.31	999.00	11.31	999.00	0.00	305.4 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00	196.7 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00	263.1 (1-Lane)
1.500	7.04	999.00	7.04	999.00	0.00	190.1 (2-Lane)
1.500	9.42	999.00	9.42	999.00	0.00	254.3 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00	196.7 (2-Lane)
1.600	9.74	999.00	9.74	999.00	0.00	263.1 (1-Lane)
1.700	8.46	999.00	8.46	999.00	0.00	228.3 (2-Lane)
1.700	11.31	999.00	11.31	999.00	0.00	305.4 (1-Lane)
1.800	11.16	999.00	11.16	999.00	0.00	301.3 (2-Lane)
1.800	14.92	999.00	14.92	999.00	0.00	402.9 (1-Lane)
1.900	20.26	999.00	20.26	999.00	0.00	547.0 (2-Lane)
1.900	27.10	999.00	27.10	999.00	0.00	731.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	43.8	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	29.3	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	19.5	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	9.8	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-9.8	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-19.5	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-29.3	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-39.0	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-43.7	-13.9	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	90.3	30.6	120.9	-132.2	109.6 (2-Lane)
1.400	92.4	30.6	123.0	-134.3	111.7 (1-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (2-Lane)
1.500	52.0	48.2	100.3	-100.3	100.3 (1-Lane)
1.600	90.3	30.6	120.9	-109.6	132.2 (2-Lane)
1.600	92.4	30.6	123.0	-111.7	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2432

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.27	0.00	61.2 (2-Lane)
1.051	253.35	2.60	0.00	70.2 (1-Lane)
1.100	91.84	2.98	0.00	80.6 (2-Lane)
1.100	105.41	3.43	0.00	92.5 (1-Lane)
1.200	26.20	2.91	0.00	78.7 (2-Lane)
1.200	30.07	3.34	0.00	90.3 (1-Lane)
1.300	15.55	3.97	0.00	107.1 (2-Lane)
1.300	17.84	4.55	0.00	123.0 (1-Lane)
1.400	6.45	3.15	0.00	85.0 (2-Lane)
1.400	7.52	3.68	0.00	99.4 (1-Lane)
1.500	3.64	3.64	0.00	98.2 (2-Lane)
1.500	4.16	4.16	0.00	112.4 (1-Lane)
1.600	3.15	6.45	0.00	85.0 (2-Lane)

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1.600	3.68	7.52	0.00	99.4 (1-Lane)
1.700	3.97	15.55	0.00	107.1 (2-Lane)
1.700	4.55	17.84	0.00	123.0 (1-Lane)
1.800	2.91	26.20	0.00	78.7 (2-Lane)
1.800	3.34	30.07	0.00	90.3 (1-Lane)
1.900	3.19	92.41	0.00	86.0 (2-Lane)
1.900	3.66	106.06	0.00	98.7 (1-Lane)
1.949	2.36	221.48	0.00	63.8 (2-Lane)
1.949	2.71	254.20	0.00	73.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2434

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU5

		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35		1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2435

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.35	999.00	18.35	999.00	0.00	568.9 (2-Lane)
1.100	24.55	999.00	24.55	999.00	0.00	760.9 (1-Lane)

1.200	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.200	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.300	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.300	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.400	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.500	6.45	999.00	6.45	999.00	0.00	200.1 (2-Lane)
1.500	8.63	999.00	8.63	999.00	0.00	267.6 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.600	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.700	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.700	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.800	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.800	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.900	18.26	999.00	18.26	999.00	0.00	565.9 (2-Lane)
1.900	24.42	999.00	24.42	999.00	0.00	756.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	6.2	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.6	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	3.1	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.5	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.5	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-3.1	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.6	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-6.2	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-13.9	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (2-Lane)
1.400	93.7	30.6	124.3	-135.6	113.0 (1-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	53.3	48.2	101.5	-101.5	101.5 (1-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (2-Lane)
1.600	93.7	30.6	124.3	-113.0	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.04	0.00	63.2 (2-Lane)
1.051	253.35	2.34	0.00	72.5 (1-Lane)
1.100	91.84	2.69	0.00	83.4 (2-Lane)
1.100	105.41	3.09	0.00	95.7 (1-Lane)
1.200	26.20	2.64	0.00	81.8 (2-Lane)
1.200	30.07	3.03	0.00	93.9 (1-Lane)
1.300	14.54	3.62	0.00	112.1 (2-Lane)
1.300	16.69	4.15	0.00	128.7 (1-Lane)
1.400	6.23	2.92	0.00	90.6 (2-Lane)
1.400	7.28	3.43	0.00	106.3 (1-Lane)
1.500	3.43	3.43	0.00	106.4 (2-Lane)
1.500	3.94	3.94	0.00	122.0 (1-Lane)
1.600	2.92	6.23	0.00	90.6 (2-Lane)
1.600	3.43	7.28	0.00	106.3 (1-Lane)
1.700	3.62	14.54	0.00	112.1 (2-Lane)
1.700	4.15	16.69	0.00	128.7 (1-Lane)
1.800	2.64	26.20	0.00	81.8 (2-Lane)
1.800	3.03	30.07	0.00	93.9 (1-Lane)
1.900	2.87	92.41	0.00	89.0 (2-Lane)
1.900	3.30	106.06	0.00	102.2 (1-Lane)
1.949	2.12	221.48	0.00	65.9 (2-Lane)
1.949	2.44	254.20	0.00	75.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00
1.200	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.300	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.400	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.500	692.1	109.7	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00
1.600	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.700	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.800	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.900	249.2	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU6

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8

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1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-OPER

Rating Live Load:

SU6

Moment									
Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
1.100	17.39	999.00		17.39	999.00	0.00	604.3	(2-Lane)	
1.100	23.26	999.00		23.26	999.00	0.00	808.2	(1-Lane)	
1.200	9.22	999.00		9.22	999.00	0.00	320.3	(2-Lane)	
1.200	12.33	999.00		12.33	999.00	0.00	428.4	(1-Lane)	
1.300	6.89	999.00		6.89	999.00	0.00	239.5	(2-Lane)	
1.300	9.22	999.00		9.22	999.00	0.00	320.3	(1-Lane)	
1.400	6.00	999.00		6.00	999.00	0.00	208.5	(2-Lane)	
1.400	8.03	999.00		8.03	999.00	0.00	278.9	(1-Lane)	
1.500	5.79	999.00		5.79	999.00	0.00	201.3	(2-Lane)	
1.500	7.75	999.00		7.75	999.00	0.00	269.2	(1-Lane)	
1.600	6.00	999.00		6.00	999.00	0.00	208.5	(2-Lane)	
1.600	8.03	999.00		8.03	999.00	0.00	278.9	(1-Lane)	
1.700	6.89	999.00		6.89	999.00	0.00	239.5	(2-Lane)	
1.700	9.22	999.00		9.22	999.00	0.00	320.3	(1-Lane)	
1.800	9.22	999.00		9.22	999.00	0.00	320.3	(2-Lane)	
1.800	12.33	999.00		12.33	999.00	0.00	428.4	(1-Lane)	
1.900	17.30	999.00		17.30	999.00	0.00	601.1	(2-Lane)	
1.900	23.13	999.00		23.13	999.00	0.00	803.9	(1-Lane)	
1.949	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00		999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00		999.00	999.00	0.00	999.0	(1-Lane)	

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-OPER

Rating Live Load:

SU6

Gamma

DC

1.25

DW

1.25

(2-Lane)

LL

1.35

(1-Lane)

LL

1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.40	0.00	52.93	0.00	61.33	0.00	46.12	0.00
1.100	43.8	6.2	65.92	0.00	49.56	0.00	57.43	0.00	43.18	0.00
1.200	29.3	4.6	56.71	0.00	42.64	0.00	49.41	0.00	37.15	0.00
1.300	19.5	3.1	47.50	0.00	35.71	0.00	41.39	0.00	31.12	0.00
1.400	9.8	1.5	38.29	0.00	28.79	0.00	33.36	0.00	25.08	0.00
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05	0.00
1.600	-9.8	-1.5	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08	0.00
1.700	-19.5	-3.1	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12	0.00
1.800	-29.3	-4.6	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15	0.00
1.900	-39.0	-6.2	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18	0.00
1.949	-43.7	-13.9	-70.40	0.00	-52.93	0.00	-61.33	0.00	-46.12	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-OPER

Rating Live Load:

SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.4	107.8 (2-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.4	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.92	0.00	66.8 (2-Lane)
1.051	374.52	2.21	0.00	76.7 (1-Lane)
1.100	155.30	2.55	0.00	88.6 (2-Lane)
1.100	178.24	2.92	0.00	101.7 (1-Lane)
1.200	33.11	2.52	0.00	87.7 (2-Lane)
1.200	38.00	2.90	0.00	100.7 (1-Lane)
1.300	16.20	3.51	0.00	121.8 (2-Lane)
1.300	18.59	4.02	0.00	139.8 (1-Lane)
1.400	6.28	2.82	0.00	97.8 (2-Lane)
1.400	7.37	3.32	0.00	115.2 (1-Lane)
1.500	3.39	3.39	0.00	117.9 (2-Lane)
1.500	3.90	3.90	0.00	135.7 (1-Lane)
1.600	2.82	6.28	0.00	97.8 (2-Lane)
1.600	3.32	7.37	0.00	115.2 (1-Lane)
1.700	3.51	16.20	0.00	121.8 (2-Lane)
1.700	4.02	18.59	0.00	139.8 (1-Lane)
1.800	2.52	33.11	0.00	87.7 (2-Lane)
1.800	2.90	38.00	0.00	100.7 (1-Lane)
1.900	2.72	156.26	0.00	94.5 (2-Lane)
1.900	3.12	179.35	0.00	108.5 (1-Lane)
1.949	2.01	327.40	0.00	69.7 (2-Lane)
1.949	2.30	375.77	0.00	80.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00

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1.200	443.0	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28
1.300	581.4	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26
1.400	664.5	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76
1.500	692.1	109.7	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81
1.600	664.5	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76
1.700	581.4	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26
1.800	443.0	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28
1.900	249.2	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G13									
Rating Type: I-OPER									
Rating Live Load: SU7									
Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Bending Bott.	Resistance Negative Top	Available Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8	
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G13									
Rating Type: I-OPER									
Rating Live Load: SU7									
Moment					Rating Value	Load Resistance (tons)			
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend					
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.100	16.62	999.00	16.62	999.00	0.00	644.0	(2-Lane)		
1.100	22.23	999.00	22.23	999.00	0.00	861.3	(1-Lane)		
1.200	8.81	999.00	8.81	999.00	0.00	341.4	(2-Lane)		
1.200	11.78	999.00	11.78	999.00	0.00	456.6	(1-Lane)		
1.300	6.40	999.00	6.40	999.00	0.00	248.1	(2-Lane)		
1.300	8.56	999.00	8.56	999.00	0.00	331.8	(1-Lane)		
1.400	5.56	999.00	5.56	999.00	0.00	215.4	(2-Lane)		
1.400	7.43	999.00	7.43	999.00	0.00	288.1	(1-Lane)		
1.500	5.34	999.00	5.34	999.00	0.00	206.8	(2-Lane)		
1.500	7.14	999.00	7.14	999.00	0.00	276.6	(1-Lane)		
1.600	5.56	999.00	5.56	999.00	0.00	215.4	(2-Lane)		
1.600	7.43	999.00	7.43	999.00	0.00	288.1	(1-Lane)		
1.700	6.40	999.00	6.40	999.00	0.00	248.1	(2-Lane)		
1.700	8.56	999.00	8.56	999.00	0.00	331.8	(1-Lane)		
1.800	8.81	999.00	8.81	999.00	0.00	341.4	(2-Lane)		
1.800	11.78	999.00	11.78	999.00	0.00	456.6	(1-Lane)		
1.900	16.53	999.00	16.53	999.00	0.00	640.6	(2-Lane)		
1.900	22.11	999.00	22.11	999.00	0.00	856.7	(1-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G13									

Rating Type:		I-OPER									
Rating Live Load:		SU7									
Gamma	DC	DW	(2-Lane)						(1-Lane)		
	1.25	1.25	LL		LL		LL		LL		
			1.35						1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.051	46.2	6.9	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00	
1.100	43.8	6.2	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00	
1.200	29.3	4.6	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00	
1.300	19.5	3.1	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00	
1.400	9.8	1.5	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00	
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00	
1.600	-9.8	-1.5	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00	
1.700	-19.5	-3.1	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00	
1.800	-29.3	-4.6	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00	
1.900	-39.0	-6.2	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00	
1.949	-43.7	-13.9	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00	
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	85.6	30.6	116.2	-127.5	104.9 (2-Lane)
1.400	88.6	30.6	119.2	-130.5	107.9 (1-Lane)
1.500	47.8	48.2	96.1	-96.1	96.1 (2-Lane)
1.500	48.3	48.2	96.5	-96.5	96.5 (1-Lane)
1.600	85.6	30.6	116.2	-104.9	127.5 (2-Lane)
1.600	88.6	30.6	119.2	-107.9	130.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-OPER
Rating Live Load: SU7

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.83	0.00	70.9 (2-Lane)
1.051	374.52	2.10	0.00	81.4 (1-Lane)
1.100	175.89	2.44	0.00	94.4 (2-Lane)
1.100	201.88	2.80	0.00	108.3 (1-Lane)
1.200	43.71	2.44	0.00	94.5 (2-Lane)
1.200	50.17	2.80	0.00	108.4 (1-Lane)
1.300	18.59	3.44	0.00	133.2 (2-Lane)
1.300	21.33	3.95	0.00	152.9 (1-Lane)
1.400	6.51	2.75	0.00	106.5 (2-Lane)
1.400	7.65	3.25	0.00	125.8 (1-Lane)
1.500	3.39	3.39	0.00	131.4 (2-Lane)
1.500	3.91	3.91	0.00	151.6 (1-Lane)
1.600	2.75	6.51	0.00	106.5 (2-Lane)
1.600	3.25	7.65	0.00	125.8 (1-Lane)
1.700	3.44	18.59	0.00	133.2 (2-Lane)
1.700	3.95	21.33	0.00	152.9 (1-Lane)

1.800	2.44	43.71	0.00	94.5 (2-Lane)
1.800	2.80	50.17	0.00	108.4 (1-Lane)
1.900	2.60	176.98	0.00	100.7 (2-Lane)
1.900	2.98	203.13	0.00	115.6 (1-Lane)
1.949	1.91	327.40	0.00	74.0 (2-Lane)
1.949	2.19	375.77	0.00	84.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	346.03 R	260.17	258.74 R	194.54
1.200	443.0	70.2	602.06 R	452.67	450.18 R	338.48
1.300	581.4	92.1	768.09 R	577.51	574.33 R	431.83
1.400	664.5	105.3	863.15 R	648.98	645.41 R	485.27
1.500	692.1	109.7	880.89 R	662.32	658.67 R	495.24
1.600	664.5	105.3	863.15 R	648.98	645.41 R	485.27
1.700	581.4	92.1	768.09 R	577.51	574.33 R	431.83
1.800	443.0	70.2	602.06 R	452.67	450.18 R	338.48
1.900	249.2	39.5	346.03 R	260.17	258.74 R	194.54
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.88	999.00	16.88	999.00	0.00	421.9 (2-Lane)
1.100	22.57	999.00	22.57	999.00	0.00	564.2 (1-Lane)
1.200	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.200	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.300	7.06	999.00	7.06	999.00	0.00 176.5 (2-Lane)
1.300	9.44	999.00	9.44	999.00	0.00 236.1 (1-Lane)
1.400	6.17	999.00	6.17	999.00	0.00 154.3 (2-Lane)
1.400	8.25	999.00	8.25	999.00	0.00 206.3 (1-Lane)
1.500	6.01	999.00	6.01	999.00	0.00 150.3 (2-Lane)
1.500	8.04	999.00	8.04	999.00	0.00 201.0 (1-Lane)
1.600	6.17	999.00	6.17	999.00	0.00 154.3 (2-Lane)
1.600	8.25	999.00	8.25	999.00	0.00 206.3 (1-Lane)
1.700	7.06	999.00	7.06	999.00	0.00 176.5 (2-Lane)
1.700	9.44	999.00	9.44	999.00	0.00 236.1 (1-Lane)
1.800	9.27	999.00	9.27	999.00	0.00 231.9 (2-Lane)
1.800	12.40	999.00	12.40	999.00	0.00 310.1 (1-Lane)
1.900	16.78	999.00	16.78	999.00	0.00 419.6 (2-Lane)
1.900	22.45	999.00	22.45	999.00	0.00 561.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.22	54.30	62.93	47.31
1.100	43.8	6.2	67.93	51.08	59.19	44.50
1.200	29.3	4.6	59.10	44.43	51.49	38.71
1.300	19.5	3.1	50.26	37.79	43.79	32.93
1.400	9.8	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-6.2	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-13.9	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.9	30.6	124.5	-135.8	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.2	-104.2	104.2 (1-Lane)
1.600	93.9	30.6	124.5	-113.2	135.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-LEGL
 Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.88	0.00	46.9 (2-Lane)
1.051	190.01	2.15	0.00	53.8 (1-Lane)
1.100	68.88	2.47	0.00	61.8 (2-Lane)
1.100	79.06	2.84	0.00	71.0 (1-Lane)
1.200	21.31	2.42	0.00	60.6 (2-Lane)
1.200	24.46	2.78	0.00	69.5 (1-Lane)
1.300	13.31	3.31	0.00	82.8 (2-Lane)
1.300	15.28	3.80	0.00	95.1 (1-Lane)
1.400	5.71	2.73	0.00	68.3 (2-Lane)
1.400	6.69	3.21	0.00	80.3 (1-Lane)
1.500	3.19	3.19	0.00	79.8 (2-Lane)
1.500	3.67	3.67	0.00	91.8 (1-Lane)
1.600	2.73	5.71	0.00	68.3 (2-Lane)
1.600	3.21	6.69	0.00	80.3 (1-Lane)
1.700	3.31	13.31	0.00	82.8 (2-Lane)
1.700	3.80	15.28	0.00	95.1 (1-Lane)
1.800	2.42	21.31	0.00	60.6 (2-Lane)
1.800	2.78	24.46	0.00	69.5 (1-Lane)
1.900	2.64	69.31	0.00	66.0 (2-Lane)
1.900	3.03	79.55	0.00	75.7 (1-Lane)
1.949	1.96	166.11	0.00	48.9 (2-Lane)
1.949	2.24	190.65	0.00	56.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2461

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: III-LG
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	153.79 R	115.63	114.99 R	86.46	86.46	86.46
1.200	443.0	70.2	267.58 R	201.19	200.08 R	150.44	150.44	150.44
1.300	581.4	92.1	341.37 R	256.67	255.26 R	191.92	191.92	191.92
1.400	664.5	105.3	383.62 R	288.44	286.85 R	215.67	215.67	215.67
1.500	692.1	109.7	391.51 R	294.36	292.74 R	220.11	220.11	220.11
1.600	664.5	105.3	383.62 R	288.44	286.85 R	215.67	215.67	215.67
1.700	581.4	92.1	341.37 R	256.67	255.26 R	191.92	191.92	191.92
1.800	443.0	70.2	267.58 R	201.19	200.08 R	150.44	150.44	150.44
1.900	249.2	39.5	153.79 R	115.63	114.99 R	86.46	86.46	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2461

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: III-LGL
 Rating Live Load: STRESSES

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1

9999999_20120831cy17_FlexuralRpt.txt

1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

III-LGL S

Rating Live Load:

3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-LEGL

Rating Live Load:

3S2

Gamma

DC

DW

LL

LL

1.25

1.25

(2-Lane)

(1-Lane)

1.80

1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	408.35 R	307.03	305.33 R	229.57		
1.200	443.0	70.2	672.70 R	505.79	503.00 R	378.19		
1.300	581.4	92.1	880.54 R	662.06	658.41 R	495.04		
1.400	664.5	105.3	974.81 R	732.94	728.90 R	548.05		
1.500	692.1	109.7	956.79 R	719.39	715.43 R	537.91		
1.600	664.5	105.3	974.81 R	732.94	728.90 R	548.05		
1.700	581.4	92.1	880.54 R	662.06	658.41 R	495.04		
1.800	443.0	70.2	672.70 R	505.79	503.00 R	378.19		
1.900	249.2	39.5	408.35 R	307.03	305.33 R	229.57		
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00		

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

I-LEGL

Rating Live Load:

3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	14.30	999.00	14.30	999.00	572.0 (2-Lane)
1.100	19.12	999.00	19.12	999.00	764.9 (1-Lane)
1.200	8.30	999.00	8.30	999.00	332.0 (2-Lane)
1.200	11.10	999.00	11.10	999.00	444.0 (1-Lane)
1.300	6.16	999.00	6.16	999.00	246.4 (2-Lane)
1.300	8.24	999.00	8.24	999.00	329.5 (1-Lane)
1.400	5.47	999.00	5.47	999.00	218.6 (2-Lane)
1.400	7.31	999.00	7.31	999.00	292.3 (1-Lane)
1.500	5.53	999.00	5.53	999.00	221.4 (2-Lane)
1.500	7.40	999.00	7.40	999.00	296.1 (1-Lane)
1.600	5.47	999.00	5.47	999.00	218.6 (2-Lane)
1.600	7.31	999.00	7.31	999.00	292.3 (1-Lane)
1.700	6.16	999.00	6.16	999.00	246.4 (2-Lane)
1.700	8.24	999.00	8.24	999.00	329.5 (1-Lane)
1.800	8.30	999.00	8.30	999.00	332.0 (2-Lane)
1.800	11.10	999.00	11.10	999.00	444.0 (1-Lane)
1.900	14.22	999.00	14.22	999.00	569.0 (2-Lane)
1.900	19.02	999.00	19.02	999.00	760.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Gamma		LL		(2-Lane)		(1-Lane)	
	DC	DW	LL	LL	LL	LL	LL	LL
	1.25	1.25	1.80	1.80				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	69.38	52.16	60.45	60.45	45.45	45.45
1.100	43.8	6.2	80.16	60.27	69.85	69.85	52.52	52.52
1.200	29.3	4.6	66.03	49.65	57.53	57.53	43.26	43.26
1.300	19.5	3.1	52.36	39.37	45.62	45.62	34.30	34.30
1.400	9.8	1.5	40.67	30.58	35.43	35.43	26.64	26.64
1.500	0.0	0.0	29.19	21.94	25.43	25.43	19.12	19.12
1.600	-9.8	-1.5	-40.67	-30.58	-35.43	-35.43	-26.64	-26.64
1.700	-19.5	-3.1	-52.36	-39.37	-45.62	-45.62	-34.30	-34.30
1.800	-29.3	-4.6	-66.03	-49.65	-57.53	-57.53	-43.26	-43.26
1.900	-39.0	-6.2	-80.16	-60.27	-69.85	-69.85	-52.52	-52.52
1.949	-43.7	-13.9	-87.03	-65.44	-75.83	-75.83	-57.02	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-LEGL
 Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.2	30.6	118.8	-130.1	107.5 (2-Lane)
1.400	91.4	30.6	122.0	-133.3	110.7 (1-Lane)
1.500	49.6	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (1-Lane)
1.600	88.2	30.6	118.8	-107.5	130.1 (2-Lane)
1.600	91.4	30.6	122.0	-110.7	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-LEGL
 Rating Live Load: 3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.95	0.00	78.1 (2-Lane)
1.051	190.01	2.24	0.00	89.6 (1-Lane)
1.100	68.88	2.10	0.00	83.8 (2-Lane)
1.100	79.06	2.40	0.00	96.2 (1-Lane)
1.200	21.31	2.17	0.00	86.7 (2-Lane)
1.200	24.46	2.49	0.00	99.5 (1-Lane)
1.300	13.31	3.18	0.00	127.2 (2-Lane)
1.300	15.28	3.65	0.00	146.0 (1-Lane)
1.400	5.94	2.64	0.00	105.7 (2-Lane)
1.400	6.98	3.12	0.00	124.9 (1-Lane)
1.500	3.35	3.35	0.00	134.2 (2-Lane)
1.500	3.86	3.86	0.00	154.5 (1-Lane)
1.600	2.64	5.94	0.00	105.7 (2-Lane)
1.600	3.12	6.98	0.00	124.9 (1-Lane)
1.700	3.18	13.31	0.00	127.2 (2-Lane)
1.700	3.65	15.28	0.00	146.0 (1-Lane)
1.800	2.17	21.31	0.00	86.7 (2-Lane)
1.800	2.49	24.46	0.00	99.5 (1-Lane)
1.900	2.24	69.31	0.00	89.5 (2-Lane)
1.900	2.57	79.55	0.00	102.7 (1-Lane)
1.949	1.62	166.11	0.00	64.9 (2-Lane)
1.949	1.86	190.65	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LG
 Rating Live Load: 3S2

(2-Lane) (1-Lane)

Gamma DC DW LL LL
 1.00 1.00 0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	39.5	181.49 R	136.46	135.70 R		102.03	
1.200	443.0	70.2	298.98 R	224.79	223.56 R		168.09	
1.300	581.4	92.1	391.35 R	294.25	292.63 R		220.02	
1.400	664.5	105.3	433.25 R	325.75	323.96 R		243.58	
1.500	692.1	109.7	425.24 R	319.73	317.97 R		239.07	
1.600	664.5	105.3	433.25 R	325.75	323.96 R		243.58	
1.700	581.4	92.1	391.35 R	294.25	292.63 R		220.02	
1.800	443.0	70.2	298.98 R	224.79	223.55 R		168.09	
1.900	249.2	39.5	181.49 R	136.46	135.70 R		102.03	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2469

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: 3S2
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL S
 Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.80 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	350.45 R	263.50	262.05 R	197.03
1.200	443.0	70.2	578.51 R	434.97	432.57 R	325.24
1.300	581.4	92.1	724.75 R	544.92	541.92 R	407.46
1.400	664.5	105.3	761.27 R	572.38	569.23 R	427.99
1.500	692.1	109.7	807.25 R	606.96	603.61 R	453.84
1.600	664.5	105.3	761.27 R	572.38	569.23 R	427.99
1.700	581.4	92.1	724.75 R	544.92	541.92 R	407.46
1.800	443.0	70.2	578.51 R	434.97	432.57 R	325.24
1.900	249.2	39.5	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.66	999.00	16.66	999.00	0.00	666.5 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	891.3 (1-Lane)
1.200	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.200	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.300	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.300	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.400	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.400	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.500	6.56	999.00	6.56	999.00	0.00	262.4 (2-Lane)
1.500	8.77	999.00	8.77	999.00	0.00	350.9 (1-Lane)

1.600	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.600	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.700	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.700	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.800	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.800	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.900	16.57	999.00	16.57	999.00	0.00	662.9 (2-Lane)
1.900	22.17	999.00	22.17	999.00	0.00	886.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	LL	LL	LL	LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.64	56.12	65.03	48.90
1.100	43.8	6.2	68.80	51.73	59.94	45.07
1.200	29.3	4.6	56.79	42.70	49.48	37.20
1.300	19.5	3.1	44.77	33.66	39.01	29.33
1.400	9.8	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-6.2	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-13.9	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	91.4	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (2-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	91.4	30.6	121.9	-110.7	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	201.03	1.81	0.00	72.6 (2-Lane)
1.051	230.73	2.08	0.00	83.3 (1-Lane)
1.100	83.64	2.44	0.00	97.7 (2-Lane)
1.100	96.00	2.80	0.00	112.1 (1-Lane)
1.200	25.87	2.52	0.00	100.8 (2-Lane)
1.200	29.70	2.89	0.00	115.7 (1-Lane)
1.300	16.16	3.72	0.00	148.8 (2-Lane)
1.300	18.55	4.27	0.00	170.7 (1-Lane)
1.400	6.76	3.10	0.00	124.1 (2-Lane)
1.400	7.88	3.63	0.00	145.4 (1-Lane)
1.500	3.63	3.63	0.00	145.1 (2-Lane)
1.500	4.16	4.16	0.00	166.3 (1-Lane)
1.600	3.10	6.76	0.00	124.1 (2-Lane)
1.600	3.63	7.88	0.00	145.4 (1-Lane)
1.700	3.72	16.16	0.00	148.8 (2-Lane)
1.700	4.27	18.55	0.00	170.7 (1-Lane)
1.800	2.52	25.87	0.00	100.8 (2-Lane)
1.800	2.89	29.70	0.00	115.7 (1-Lane)
1.900	2.61	84.16	0.00	104.3 (2-Lane)
1.900	2.99	96.59	0.00	119.7 (1-Lane)
1.949	1.89	201.70	0.00	75.7 (2-Lane)
1.949	2.17	231.50	0.00	86.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2477

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	155.76 R	117.11	116.46 R	87.57
1.200	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.300	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.400	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.500	692.1	109.7	358.78 R	269.76	268.27 R	201.71
1.600	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.700	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.800	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.900	249.2	39.5	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2477

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2478

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G13
Rating Type: III-LGL S
Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G13
Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	39.5	339.76 R		255.46	254.05 R		191.01		
1.200	443.0	70.2	593.12 R		445.96	443.50 R		333.46		
1.300	581.4	92.1	760.09 R		571.49	568.34 R		427.33		
1.400	664.5	105.3	866.58 R		651.56	647.97 R		487.20		
1.500	692.1	109.7	891.18 R		670.06	666.37 R		501.03		
1.600	664.5	105.3	866.58 R		651.56	647.97 R		487.20		
1.700	581.4	92.1	760.09 R		571.49	568.34 R		427.33		
1.800	443.0	70.2	593.12 R		445.96	443.50 R		333.46		
1.900	249.2	39.5	339.76 R		255.46	254.05 R		191.01		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G13
Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2

1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2481

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	464.0 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	620.6 (1-Lane)
1.200	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.200	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.300	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.300	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.400	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.400	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.500	5.94	999.00	5.94	999.00	0.00	160.4 (2-Lane)
1.500	7.95	999.00	7.95	999.00	0.00	214.5 (1-Lane)
1.600	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.600	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.700	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.700	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.800	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.800	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.900	17.09	999.00	17.09	999.00	0.00	461.6 (2-Lane)
1.900	22.86	999.00	22.86	999.00	0.00	617.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.82	53.25	61.71	46.40
1.100	43.8	6.2	66.70	50.15	58.11	43.69
1.200	29.3	4.6	58.22	43.77	50.73	38.14
1.300	19.5	3.1	49.74	37.40	43.34	32.58
1.400	9.8	1.5	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.5	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-3.1	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.6	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-6.2	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-13.9	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-LEGL
 Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.5	30.6	124.1	-135.4	112.8 (2-Lane)
1.400	96.2	30.6	126.8	-138.1	115.5 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	93.5	30.6	124.1	-112.8	135.4 (2-Lane)
1.600	96.2	30.6	126.8	-115.5	138.1 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2484

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: I-LEGL
 Rating Live Load: SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.91	0.00	51.6 (2-Lane)
1.051	213.76	2.19	0.00	59.2 (1-Lane)
1.100	77.49	2.52	0.00	68.0 (2-Lane)
1.100	88.94	2.89	0.00	78.1 (1-Lane)
1.200	22.10	2.46	0.00	66.4 (2-Lane)
1.200	25.37	2.82	0.00	76.2 (1-Lane)
1.300	13.12	3.35	0.00	90.4 (2-Lane)
1.300	15.06	3.84	0.00	103.7 (1-Lane)
1.400	5.57	2.73	0.00	73.8 (2-Lane)
1.400	6.52	3.21	0.00	86.8 (1-Lane)
1.500	3.17	3.17	0.00	85.7 (2-Lane)
1.500	3.65	3.65	0.00	98.6 (1-Lane)
1.600	2.73	5.57	0.00	73.8 (2-Lane)
1.600	3.21	6.52	0.00	86.8 (1-Lane)
1.700	3.35	13.12	0.00	90.4 (2-Lane)
1.700	3.84	15.06	0.00	103.7 (1-Lane)
1.800	2.46	22.10	0.00	66.4 (2-Lane)
1.800	2.82	25.37	0.00	76.2 (1-Lane)
1.900	2.69	77.97	0.00	72.6 (2-Lane)
1.900	3.09	89.49	0.00	83.3 (1-Lane)
1.949	1.99	186.87	0.00	53.8 (2-Lane)
1.949	2.29	214.48	0.00	61.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2485

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13
 Rating Type: III-LG
 Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.00		1.00		LL		LL	
					0.80		0.80	

Span Dead Load Superimposed Live Load w/impact Live Load w/o impact Live Load w/impact Live Load w/o impact
 Page 1004

9999999_20120831cy17_FlexuralRpt.txt									
	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R			0.00	
1.100	218.4	39.5	169.88 R	127.73	127.02 R			95.51	
1.200	443.0	70.2	296.56 R	222.98	221.75 R			166.73	
1.300	581.4	92.1	380.04 R	285.75	284.17 R			213.66	
1.400	664.5	105.3	433.29 R	325.78	323.99 R			243.60	
1.500	692.1	109.7	445.59 R	335.03	333.18 R			250.51	
1.600	664.5	105.3	433.29 R	325.78	323.99 R			243.60	
1.700	581.4	92.1	380.04 R	285.75	284.17 R			213.66	
1.800	443.0	70.2	296.56 R	222.98	221.75 R			166.73	
1.900	249.2	39.5	169.88 R	127.73	127.02 R			95.51	
1.949	128.1	0.0	0.00 R	0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00	532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00	712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	377.07 R	283.51	281.95 R	211.99
1.200	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.300	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.400	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.500	692.1	109.7	972.29 R	731.04	727.01 R	546.62
1.600	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.700	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.800	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.900	249.2	39.5	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2489

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.48	999.00	15.48	999.00	0.00	480.0 (2-Lane)
1.100	20.71	999.00	20.71	999.00	0.00	642.0 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)
1.200	11.40	999.00	11.40	999.00	0.00	353.5 (1-Lane)
1.300	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)
1.300	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	172.6 (2-Lane)
1.400	7.44	999.00	7.44	999.00	0.00	230.8 (1-Lane)
1.500	5.45	999.00	5.45	999.00	0.00	168.8 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	225.8 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	172.5 (2-Lane)
1.600	7.44	999.00	7.44	999.00	0.00	230.8 (1-Lane)
1.700	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)
1.700	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)

1.800	11.40	999.00	11.40	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00 353.5 (1-Lane)
1.900	15.40	999.00	15.40	999.00	0.00 477.5 (2-Lane)
1.900	20.60	999.00	20.60	999.00	0.00 638.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	78.76	59.22	68.62	51.59
1.100	43.8	6.2	74.03	55.66	64.50	48.49
1.200	29.3	4.6	64.29	48.34	56.01	42.11
1.300	19.5	3.1	54.55	41.02	47.53	35.74
1.400	9.8	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-6.2	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-13.9	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	94.4	30.6	124.9	-136.2	113.6 (2-Lane)
1.400	97.5	30.6	128.1	-139.4	116.8 (1-Lane)
1.500	56.7	48.2	105.0	-105.0	105.0 (2-Lane)
1.500	57.2	48.2	105.5	-105.5	105.5 (1-Lane)
1.600	94.4	30.6	124.9	-113.6	136.2 (2-Lane)
1.600	97.5	30.6	128.1	-116.8	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.72	0.00	53.3 (2-Lane)

1.051	213.76	1.97	0.00	61.2 (1-Lane)
1.100	77.49	2.27	0.00	70.4 (2-Lane)
1.100	88.94	2.61	0.00	80.8 (1-Lane)
1.200	22.10	2.23	0.00	69.0 (2-Lane)
1.200	25.37	2.56	0.00	79.2 (1-Lane)
1.300	12.27	3.05	0.00	94.6 (2-Lane)
1.300	14.08	3.50	0.00	108.6 (1-Lane)
1.400	5.38	2.54	0.00	78.6 (2-Lane)
1.400	6.31	2.99	0.00	92.7 (1-Lane)
1.500	2.99	2.99	0.00	92.8 (2-Lane)
1.500	3.45	3.45	0.00	107.0 (1-Lane)
1.600	2.54	5.38	0.00	78.6 (2-Lane)
1.600	2.99	6.31	0.00	92.7 (1-Lane)
1.700	3.05	12.27	0.00	94.6 (2-Lane)
1.700	3.50	14.08	0.00	108.6 (1-Lane)
1.800	2.23	22.10	0.00	69.0 (2-Lane)
1.800	2.56	25.37	0.00	79.2 (1-Lane)
1.900	2.42	77.97	0.00	75.1 (2-Lane)
1.900	2.78	89.49	0.00	86.2 (1-Lane)
1.949	1.79	186.87	0.00	55.6 (2-Lane)
1.949	2.06	214.48	0.00	63.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2493

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	188.54 R	141.76	140.97 R	106.00	106.00	106.00
1.200	443.0	70.2	327.47 R	246.22	244.86 R	184.11	184.11	184.11
1.300	581.4	92.1	421.32 R	316.78	315.04 R	236.87	236.87	236.87
1.400	664.5	105.3	478.53 R	359.80	357.81 R	269.03	269.03	269.03
1.500	692.1	109.7	486.14 R	365.52	363.51 R	273.31	273.31	273.31
1.600	664.5	105.3	478.53 R	359.80	357.81 R	269.03	269.03	269.03
1.700	581.4	92.1	421.32 R	316.78	315.04 R	236.87	236.87	236.87
1.800	443.0	70.2	327.47 R	246.22	244.86 R	184.11	184.11	184.11
1.900	249.2	39.5	188.54 R	141.76	140.97 R	106.00	106.00	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2493

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2494

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL S
Rating Live Load: SU5

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2495

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.60	1.60	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	39.5	397.96 R		299.22	297.57 R		223.74		223.74
1.200	443.0	70.2	717.98 R		539.83	536.86 R		403.65		403.65
1.300	581.4	92.1	932.71 R		701.29	697.42 R		524.38		524.38
1.400	664.5	105.3	1052.03 R		791.00	786.64 R		591.46		591.46
1.500	692.1	109.7	1083.54 R		814.69	810.20 R		609.17		609.17
1.600	664.5	105.3	1052.03 R		791.00	786.64 R		591.46		591.46
1.700	581.4	92.1	932.71 R		701.29	697.42 R		524.38		524.38
1.800	443.0	70.2	717.98 R		539.83	536.86 R		403.65		403.65
1.900	249.2	39.5	397.96 R		299.22	297.57 R		223.74		223.74
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2496

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2

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1.900 6096.9 6096.9 0.0 0.0 5808.2 5808.2 -288.7 -288.7
1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.67	999.00	14.67	999.00	0.00	509.9 (2-Lane)
1.100	19.62	999.00	19.62	999.00	0.00	681.9 (1-Lane)
1.200	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.200	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.300	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.400	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.400	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.500	4.89	999.00	4.89	999.00	0.00	169.8 (2-Lane)
1.500	6.53	999.00	6.53	999.00	0.00	227.1 (1-Lane)
1.600	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.600	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.700	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.800	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.800	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.2 (2-Lane)
1.900	19.52	999.00	19.52	999.00	0.00	678.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2498

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	83.43	62.73	72.69	54.66
1.100	43.8	6.2	78.13	58.74	68.07	51.18
1.200	29.3	4.6	67.21	50.54	58.56	44.03
1.300	19.5	3.1	56.30	42.33	49.05	36.88
1.400	9.8	1.5	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.5	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-3.1	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.6	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-6.2	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-13.9	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2499

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.2	30.6	121.8	-133.1	110.5 (2-Lane)
1.400	94.7	30.6	125.3	-136.6	114.0 (1-Lane)
1.500	53.4	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	54.2	48.2	102.4	-102.4	102.4 (1-Lane)
1.600	91.2	30.6	121.8	-110.5	133.1 (2-Lane)
1.600	94.7	30.6	125.3	-114.0	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2500

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.62	0.00	56.4 (2-Lane)
1.051	316.00	1.86	0.00	64.7 (1-Lane)
1.100	131.03	2.15	0.00	74.7 (2-Lane)
1.100	150.39	2.47	0.00	85.8 (1-Lane)
1.200	27.93	2.13	0.00	74.0 (2-Lane)
1.200	32.06	2.44	0.00	84.9 (1-Lane)
1.300	13.67	2.96	0.00	102.8 (2-Lane)
1.300	15.69	3.39	0.00	118.0 (1-Lane)
1.400	5.41	2.43	0.00	84.6 (2-Lane)
1.400	6.37	2.88	0.00	100.2 (1-Lane)
1.500	2.95	2.95	0.00	102.5 (2-Lane)
1.500	3.41	3.41	0.00	118.5 (1-Lane)
1.600	2.43	5.41	0.00	84.6 (2-Lane)
1.600	2.88	6.38	0.00	100.2 (1-Lane)
1.700	2.96	13.67	0.00	102.8 (2-Lane)
1.700	3.39	15.69	0.00	118.0 (1-Lane)
1.800	2.13	27.93	0.00	74.0 (2-Lane)
1.800	2.44	32.06	0.00	84.9 (1-Lane)
1.900	2.30	131.85	0.00	79.8 (2-Lane)
1.900	2.63	151.32	0.00	91.5 (1-Lane)
1.949	1.69	276.24	0.00	58.8 (2-Lane)
1.949	1.94	317.06	0.00	67.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2501

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LG

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	39.5	198.98 R	149.61	148.79 R		111.87	
1.200	443.0	70.2	358.99 R	269.92	268.43 R		201.83	
1.300	581.4	92.1	466.36 R	350.64	348.71 R		262.19	
1.400	664.5	105.3	526.02 R	395.50	393.32 R		295.73	

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1.500	692.1	109.7	541.77	R	407.35	405.10	R	304.59	
1.600	664.5	105.3	526.02	R	395.50	393.32	R	295.73	
1.700	581.4	92.1	466.36	R	350.64	348.71	R	262.19	
1.800	443.0	70.2	358.99	R	269.92	268.43	R	201.83	
1.900	249.2	39.5	198.98	R	149.61	148.79	R	111.87	
1.949	128.1	0.0	0.00	R	0.00	0.00	R	0.00	
2.000	0.0	0.0	0.00	R	0.00	0.00	R	0.00	

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

PAGE 2501

SERVICE RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

III-LGL

Rating Live Load:

STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:

III-LGL S

Rating Live Load:

SU6

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5 (2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 2503

MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G13

Rating Type:		I-LEGL								
Rating Live Load:		SU7								
Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL		LL					
			1.60		1.60					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	218.4	39.5	416.40 R		313.08	311.35 R			234.10	
1.200	443.0	70.2	751.06 R		564.71	561.60 R			422.25	
1.300	581.4	92.1	1004.00 R		754.88	750.72 R			564.45	
1.400	664.5	105.3	1135.75 R		853.95	849.24 R			638.53	
1.500	692.1	109.7	1175.91 R		884.14	879.27 R			661.11	
1.600	664.5	105.3	1135.75 R		853.95	849.24 R			638.53	
1.700	581.4	92.1	1004.00 R		754.88	750.72 R			564.45	
1.800	443.0	70.2	751.06 R		564.71	561.60 R			422.25	
1.900	249.2	39.5	416.40 R		313.08	311.35 R			234.10	
1.949	128.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.02	999.00	14.02	999.00	0.00	543.4 (2-Lane)
1.100	18.75	999.00	18.75	999.00	0.00	726.7 (1-Lane)
1.200	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.300	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.300	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.400	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.400	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.500	4.50	999.00	4.50	999.00	0.00	174.5 (2-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	233.4 (1-Lane)
1.600	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.600	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.700	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.700	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.800	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.900	13.95	999.00	13.95	999.00	0.00	540.5 (2-Lane)
1.900	18.66	999.00	18.66	999.00	0.00	722.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2506

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.60 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	87.66	65.91	76.38	57.43
1.100	43.8	6.2	81.75	61.46	71.22	53.55
1.200	29.3	4.6	69.57	52.31	60.62	45.58
1.300	19.5	3.1	57.40	43.16	50.01	37.60
1.400	9.8	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-6.2	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-13.9	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2507

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU7

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.9	30.6	118.5	-129.8	107.2 (2-Lane)
1.400	91.7	30.6	122.3	-133.6	111.0 (1-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	51.4	48.2	99.7	-99.7	99.7 (1-Lane)
1.600	87.9	30.6	118.5	-107.2	129.8 (2-Lane)
1.600	91.7	30.6	122.3	-111.0	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2508

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: I-LEGL
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.54	0.00	59.9 (2-Lane)
1.051	316.00	1.77	0.00	68.7 (1-Lane)
1.100	148.41	2.06	0.00	79.6 (2-Lane)
1.100	170.33	2.36	0.00	91.4 (1-Lane)
1.200	36.88	2.06	0.00	79.7 (2-Lane)
1.200	42.33	2.36	0.00	91.5 (1-Lane)

1.300	15.68	2.90	0.00	112.4 (2-Lane)
1.300	18.00	3.33	0.00	129.0 (1-Lane)
1.400	5.59	2.37	0.00	91.9 (2-Lane)
1.400	6.61	2.82	0.00	109.1 (1-Lane)
1.500	2.94	2.94	0.00	114.0 (2-Lane)
1.500	3.41	3.41	0.00	132.0 (1-Lane)
1.600	2.37	5.59	0.00	91.9 (2-Lane)
1.600	2.82	6.61	0.00	109.1 (1-Lane)
1.700	2.90	15.68	0.00	112.4 (2-Lane)
1.700	3.33	18.00	0.00	129.0 (1-Lane)
1.800	2.06	36.88	0.00	79.7 (2-Lane)
1.800	2.36	42.33	0.00	91.5 (1-Lane)
1.900	2.19	149.33	0.00	85.0 (2-Lane)
1.900	2.52	171.39	0.00	97.6 (1-Lane)
1.949	1.61	276.24	0.00	62.4 (2-Lane)
1.949	1.85	317.06	0.00	71.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2509

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05
1.200	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.300	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.400	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.500	692.1	109.7	587.96 R	442.07	439.63 R	330.55
1.600	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.700	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.800	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.900	249.2	39.5	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2509

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G13

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6	(2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0	(1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2	(2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7	(1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0	(2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2510

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01
 NBI ID 9999999
 Facility Carried I ###
 Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
 System Factor: 1.000
 ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear									
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G14 01-IG014
 Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:
 Span Range Range Section Section Section Hinge Location
 No. No. Length Left Right Variation No. 1 No. 2

1 1 56.786 1 0 0.0 0.0

Range Length -- Composite:
 Span Range Range Composite
 No. No. Length Code

1 1 56.786 C

Superimposed Dead Load:		Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
Span No.	Load Type		Left	Right	Length	
1	W	0.000	217.7	217.7	56.786	0.0
1	Z	0.000	169.9	169.9	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8	814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7	780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8	771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Span	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia +Bend (n=n)	Moment of Inertia +Bend (n=3n)	Section Modulus +Bend (n=n)	Section Modulus +Bend (n=3n)	Top	Bott.
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6

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SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
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1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.1 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.3 (1-Lane)
1.200	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.200	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)

1.300	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.300	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.400	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	132.2 (2-Lane)
1.500	4.91	999.00	4.91	999.00	0.00	176.7 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.600	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.700	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.700	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.800	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.800	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.900	10.17	999.00	10.17	999.00	0.00	366.2 (2-Lane)
1.900	13.60	999.00	13.60	999.00	0.00	489.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	118.11	0.00	94.04	0.00	102.90	0.00	81.94
1.100	43.8	6.2	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	29.3	4.6	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	19.5	3.1	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	9.8	1.5	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-9.8	-1.5	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-19.5	-3.1	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-29.3	-4.6	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-39.0	-6.2	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.949	-43.7	-13.9	-118.11	0.00	-94.04	0.00	-102.90	0.00	-81.94
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.9	30.6	127.5	-138.8	116.2 (2-Lane)
1.400	101.9	30.6	132.5	-143.8	121.2 (1-Lane)
1.500	59.7	48.2	108.0	-108.0	108.0 (2-Lane)
1.500	61.6	48.2	109.8	-109.8	109.8 (1-Lane)
1.600	96.9	30.6	127.5	-116.2	138.8 (2-Lane)
1.600	101.9	30.6	132.5	-121.2	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-INV
 Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.15	0.00	41.3 (2-Lane)
1.051	103.83	1.32	0.00	47.4 (1-Lane)
1.100	48.17	1.53	0.00	55.0 (2-Lane)
1.100	55.29	1.75	0.00	63.1 (1-Lane)
1.200	13.98	1.53	0.00	55.0 (2-Lane)
1.200	16.04	1.75	0.00	63.2 (1-Lane)
1.300	8.52	2.14	0.00	77.1 (2-Lane)
1.300	9.78	2.46	0.00	88.5 (1-Lane)
1.400	3.96	1.87	0.00	67.1 (2-Lane)
1.400	4.70	2.23	0.00	80.3 (1-Lane)
1.500	2.28	2.28	0.00	82.0 (2-Lane)
1.500	2.66	2.66	0.00	95.8 (1-Lane)
1.600	1.87	3.96	0.00	67.1 (2-Lane)
1.600	2.23	4.70	0.00	80.3 (1-Lane)
1.700	2.14	8.52	0.00	77.1 (2-Lane)
1.700	2.46	9.78	0.00	88.5 (1-Lane)
1.800	1.53	13.98	0.00	55.0 (2-Lane)
1.800	1.75	16.04	0.00	63.2 (1-Lane)
1.900	1.63	46.51	0.00	58.7 (2-Lane)
1.900	1.87	53.38	0.00	67.4 (1-Lane)
1.949	1.20	88.82	0.00	43.0 (2-Lane)
1.949	1.37	101.94	0.00	49.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2519

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
 Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2519

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: HL93
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3

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1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

III-INV S

Rating Live Load:

HL93

Service							
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	42.58	999.00	12.96	999.00	0.00	466.5	(2-Lane)
1.100	56.94	999.00	17.33	999.00	0.00	623.9	(1-Lane)
1.200	22.32	999.00	6.78	999.00	0.00	244.1	(2-Lane)
1.200	29.86	999.00	9.07	999.00	0.00	326.5	(1-Lane)
1.300	16.39	999.00	4.98	999.00	0.00	179.4	(2-Lane)
1.300	21.91	999.00	6.66	999.00	0.00	239.9	(1-Lane)
1.400	13.97	999.00	4.25	999.00	0.00	153.1	(2-Lane)
1.400	18.69	999.00	5.69	999.00	0.00	204.8	(1-Lane)
1.500	13.55	999.00	4.12	999.00	0.00	148.5	(2-Lane)
1.500	18.12	999.00	5.52	999.00	0.00	198.6	(1-Lane)
1.600	13.97	999.00	4.25	999.00	0.00	153.1	(2-Lane)
1.600	18.69	999.00	5.69	999.00	0.00	204.8	(1-Lane)
1.700	16.39	999.00	4.98	999.00	0.00	179.4	(2-Lane)
1.700	21.91	999.00	6.66	999.00	0.00	239.9	(1-Lane)
1.800	22.32	999.00	6.78	999.00	0.00	244.1	(2-Lane)
1.800	29.86	999.00	9.07	999.00	0.00	326.5	(1-Lane)
1.900	42.34	999.00	12.84	999.00	0.00	462.4	(2-Lane)
1.900	56.62	999.00	17.18	999.00	0.00	618.4	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-INV

Rating Live Load:

HS20

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-INV

Rating Live Load:

HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)	
	top +bend	bottom -bend	top +bend	bottom -bend	top +bend	bottom -bend
1.000	999.00	999.00	999.00	999.00	999.00	999.00
1.000	999.00	999.00	999.00	999.00	999.00	999.00
1.051	999.00	999.00	999.00	999.00	999.00	999.00
1.051	999.00	999.00	999.00	999.00	999.00	999.00
1.100	12.60	999.00	12.60	999.00	251.99	453.6
1.100	16.85	999.00	16.85	999.00	337.01	606.6
1.200	6.97	999.00	6.97	999.00	139.44	251.0
1.200	9.32	999.00	9.32	999.00	186.48	335.7
1.300	5.36	999.00	5.36	999.00	107.15	192.9
1.300	7.16	999.00	7.16	999.00	143.30	257.9
1.400	4.70	999.00	4.70	999.00	94.10	169.4
1.400	6.29	999.00	6.29	999.00	125.84	226.5
1.500	4.63	999.00	4.63	999.00	92.61	166.7
1.500	6.19	999.00	6.19	999.00	123.86	222.9
1.600	4.70	999.00	4.70	999.00	94.10	169.4
1.600	6.29	999.00	6.29	999.00	125.84	226.5
1.700	5.36	999.00	5.36	999.00	107.15	192.9
1.700	7.16	999.00	7.16	999.00	143.30	257.9
1.800	6.97	999.00	6.97	999.00	139.44	251.0
1.800	9.32	999.00	9.32	999.00	186.48	335.7
1.900	12.53	999.00	12.53	999.00	250.66	451.2
1.900	16.76	999.00	16.76	999.00	335.23	603.4
1.949	999.00	999.00	999.00	999.00	999.00	999.00
1.949	999.00	999.00	999.00	999.00	999.00	999.00
2.000	999.00	999.00	999.00	999.00	999.00	999.00
2.000	999.00	999.00	999.00	999.00	999.00	999.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2524

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: HS20

Span	DC		DW		(2-Lane) LL 1.75		(1-Lane) LL 1.75	
	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	96.99	0.00	72.93	0.00	84.51	0.00
1.100	43.8	6.2	90.98	0.00	68.41	0.00	79.27	0.00
1.200	29.3	4.6	78.61	0.00	59.11	0.00	68.49	0.00
1.300	19.5	3.1	66.24	0.00	49.81	0.00	57.72	0.00
1.400	9.8	1.5	53.88	0.00	40.51	0.00	46.94	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00
1.600	-9.8	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00
1.700	-19.5	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00
1.800	-29.3	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00
1.900	-39.0	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00
1.949	-43.7	-13.9	-96.99	0.00	-72.93	0.00	-84.51	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HS20

	Vc	Shear Vs	Resistance Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	98.4	30.6	128.9	-140.2	117.7 (2-Lane)
1.400	102.4	30.6	132.9	-144.2	121.7 (1-Lane)
1.500	60.2	48.2	108.5	-108.5	108.5 (2-Lane)
1.500	61.3	48.2	109.6	-109.6	109.6 (1-Lane)
1.600	98.4	30.6	129.0	-117.7	140.2 (2-Lane)
1.600	102.4	30.6	133.0	-121.7	144.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2526

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: HS20

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
Shear				
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.40	27.92	50.3 (2-Lane)
1.051	103.83	1.60	32.05	57.7 (1-Lane)
1.100	48.76	1.85	36.93	66.5 (2-Lane)
1.100	55.97	2.12	42.39	76.3 (1-Lane)
1.200	19.18	1.82	36.42	65.5 (2-Lane)
1.200	22.02	2.09	41.80	75.2 (1-Lane)
1.300	10.90	2.51	50.27	90.5 (2-Lane)
1.300	12.51	2.88	57.70	103.9 (1-Lane)
1.400	4.61	2.18	43.67	78.6 (2-Lane)
1.400	5.44	2.59	51.83	93.3 (1-Lane)
1.500	2.61	2.61	52.26	94.1 (2-Lane)
1.500	3.03	3.03	60.59	109.1 (1-Lane)
1.600	2.18	4.61	43.68	78.6 (2-Lane)
1.600	2.59	5.44	51.83	93.3 (1-Lane)
1.700	2.51	10.90	50.27	90.5 (2-Lane)
1.700	2.88	12.51	57.70	103.9 (1-Lane)
1.800	1.82	19.18	36.42	65.5 (2-Lane)
1.800	2.09	22.02	41.80	75.2 (1-Lane)
1.900	1.97	49.06	39.42	71.0 (2-Lane)
1.900	2.26	56.31	45.24	81.4 (1-Lane)
1.949	1.46	90.77	29.12	52.4 (2-Lane)
1.949	1.67	104.18	33.42	60.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2527

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type:		III-IN									
Rating Live Load:		HS20		(2-Lane)		(1-Lane)					
Gamma	DC	DW		LL		LL					
	1.00	1.00		0.80		0.80					
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00	0.00
1.200	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00	0.00
1.300	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00	0.00
1.400	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00	0.00
1.500	553.7	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00	0.00
1.600	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00	0.00
1.700	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00	0.00
1.800	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00	0.00
1.900	199.3	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2527

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HS20
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2528

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	52.46	999.00	15.97	999.00	319.35	574.8	(2-Lane)
1.100	70.16	999.00	21.35	999.00	427.09	768.8	(1-Lane)
1.200	27.66	999.00	8.40	999.00	168.02	302.4	(2-Lane)
1.200	36.99	999.00	11.24	999.00	224.71	404.5	(1-Lane)
1.300	20.45	999.00	6.22	999.00	124.38	223.9	(2-Lane)
1.300	27.35	999.00	8.32	999.00	166.34	299.4	(1-Lane)
1.400	17.51	999.00	5.33	999.00	106.62	191.9	(2-Lane)
1.400	23.42	999.00	7.13	999.00	142.59	256.7	(1-Lane)
1.500	17.09	999.00	5.20	999.00	104.06	187.3	(2-Lane)
1.500	22.85	999.00	6.96	999.00	139.16	250.5	(1-Lane)
1.600	17.51	999.00	5.33	999.00	106.62	191.9	(2-Lane)
1.600	23.42	999.00	7.13	999.00	142.59	256.7	(1-Lane)
1.700	20.45	999.00	6.22	999.00	124.38	223.9	(2-Lane)
1.700	27.35	999.00	8.32	999.00	166.34	299.4	(1-Lane)
1.800	27.66	999.00	8.40	999.00	168.02	302.4	(2-Lane)
1.800	36.99	999.00	11.24	999.00	224.71	404.5	(1-Lane)
1.900	52.17	999.00	15.83	999.00	316.51	569.7	(2-Lane)
1.900	69.77	999.00	21.17	999.00	423.29	761.9	(1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
1.949 999.00 999.00 999.00 999.00 999.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 999.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 999.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 999.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.36	999.00	17.36	999.00	0.00	433.9 (2-Lane)
1.100	23.21	999.00	23.21	999.00	0.00	580.3 (1-Lane)
1.200	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.200	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.300	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.300	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.400	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.400	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.500	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)

1.500	8.27	999.00	8.27	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 206.7 (1-Lane)
1.600	6.35	999.00	6.35	999.00	0.00 158.7 (2-Lane)
1.600	8.49	999.00	8.49	999.00	0.00 212.2 (1-Lane)
1.700	7.26	999.00	7.26	999.00	0.00 181.6 (2-Lane)
1.700	9.71	999.00	9.71	999.00	0.00 242.8 (1-Lane)
1.800	9.54	999.00	9.54	999.00	0.00 238.5 (2-Lane)
1.800	12.76	999.00	12.76	999.00	0.00 318.9 (1-Lane)
1.900	17.26	999.00	17.26	999.00	0.00 431.6 (2-Lane)
1.900	23.09	999.00	23.09	999.00	0.00 577.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.22	0.00	52.80	0.00	61.18	0.00
1.100	43.8	6.2	66.04	0.00	49.66	0.00	57.54	0.00
1.200	29.3	4.6	57.46	0.00	43.20	0.00	50.06	0.00
1.300	19.5	3.1	48.87	0.00	36.74	0.00	42.58	0.00
1.400	9.8	1.5	40.28	0.00	30.28	0.00	35.09	0.00
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00
1.600	-9.8	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00
1.700	-19.5	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00
1.800	-29.3	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00
1.900	-39.0	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00
1.949	-43.7	-13.9	-70.22	0.00	-52.80	0.00	-61.18	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.4	30.6	123.9	-135.2	112.6 (2-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (1-Lane)
1.500	55.3	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (1-Lane)
1.600	93.4	30.6	123.9	-112.6	135.2 (2-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2534

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.93	0.00	48.2 (2-Lane)
1.051	195.44	2.21	0.00	55.3 (1-Lane)
1.100	70.85	2.54	0.00	63.6 (2-Lane)
1.100	81.31	2.92	0.00	73.0 (1-Lane)
1.200	21.92	2.49	0.00	62.3 (2-Lane)
1.200	25.15	2.86	0.00	71.5 (1-Lane)
1.300	13.69	3.41	0.00	85.2 (2-Lane)
1.300	15.71	3.91	0.00	97.8 (1-Lane)
1.400	5.85	2.80	0.00	69.9 (2-Lane)
1.400	6.85	3.28	0.00	82.1 (1-Lane)
1.500	3.27	3.27	0.00	81.6 (2-Lane)
1.500	3.75	3.75	0.00	93.8 (1-Lane)
1.600	2.80	5.85	0.00	69.9 (2-Lane)
1.600	3.28	6.85	0.00	82.1 (1-Lane)
1.700	3.41	13.69	0.00	85.2 (2-Lane)
1.700	3.91	15.71	0.00	97.8 (1-Lane)
1.800	2.49	21.92	0.00	62.3 (2-Lane)
1.800	2.86	25.15	0.00	71.5 (1-Lane)
1.900	2.71	71.29	0.00	67.9 (2-Lane)
1.900	3.12	81.82	0.00	77.9 (1-Lane)
1.949	2.01	170.85	0.00	50.3 (2-Lane)
1.949	2.31	196.10	0.00	57.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2535

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN
Rating Live Load: 3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2535

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: 3S2

Rating Live Load:		502		(2-Lane)		(1-Lane)				
Gamma	DC	DW	LL	LL	LL	LL	LL			
	1.25	1.25	1.75	1.75			1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	692.1	109.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	249.2	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Positive Top	Resistance Bending Bott.	Available Negative Top	Resistance Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.71	999.00	14.71	999.00	0.00	588.3 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	786.8 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.200	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.500	5.69	999.00	5.69	999.00	0.00	227.7 (2-Lane)
1.500	7.61	999.00	7.61	999.00	0.00	304.5 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.800	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.900	14.63	999.00	14.63	999.00	0.00	585.2 (2-Lane)
1.900	19.57	999.00	19.57	999.00	0.00	782.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3S2

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75			(1-Lane) LL 1.75		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane		
1.000	48.8	0.0	0.00	0.00	0.00	0.00		
1.051	46.2	6.9	67.45	0.00	50.72	0.00		
1.100	43.8	6.2	77.94	0.00	58.60	0.00		
1.200	29.3	4.6	64.20	0.00	48.27	0.00		
1.300	19.5	3.1	50.91	0.00	38.28	0.00		
1.400	9.8	1.5	39.54	0.00	29.73	0.00		
1.500	0.0	0.0	28.37	0.00	21.33	0.00		
1.600	-9.8	-1.5	-39.54	0.00	-29.73	0.00		
1.700	-19.5	-3.1	-50.91	0.00	-38.28	0.00		
1.800	-29.3	-4.6	-64.20	0.00	-48.27	0.00		
1.900	-39.0	-6.2	-77.94	0.00	-58.60	0.00		
1.949	-43.7	-13.9	-84.62	0.00	-63.62	0.00		
2.000	-48.8	0.0	0.00	0.00	0.00	0.00		

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.8	30.6	118.4	-129.7	107.1 (2-Lane)
1.400	90.8	30.6	121.4	-132.7	110.1 (1-Lane)
1.500	49.2	48.2	97.4	-97.4	97.4 (2-Lane)
1.500	49.5	48.2	97.7	-97.7	97.7 (1-Lane)
1.600	87.8	30.6	118.4	-107.1	129.7 (2-Lane)
1.600	90.8	30.6	121.4	-110.1	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	2.01	0.00	80.3 (2-Lane)
1.051	195.44	2.30	0.00	92.2 (1-Lane)
1.100	70.85	2.16	0.00	86.2 (2-Lane)
1.100	81.31	2.47	0.00	99.0 (1-Lane)
1.200	21.92	2.23	0.00	89.2 (2-Lane)
1.200	25.15	2.56	0.00	102.4 (1-Lane)
1.300	13.69	3.27	0.00	130.8 (2-Lane)
1.300	15.71	3.75	0.00	150.2 (1-Lane)
1.400	6.09	2.71	0.00	108.3 (2-Lane)
1.400	7.15	3.20	0.00	127.9 (1-Lane)
1.500	3.43	3.43	0.00	137.3 (2-Lane)
1.500	3.95	3.95	0.00	158.1 (1-Lane)
1.600	2.71	6.09	0.00	108.3 (2-Lane)
1.600	3.20	7.15	0.00	127.9 (1-Lane)
1.700	3.27	13.69	0.00	130.8 (2-Lane)
1.700	3.75	15.71	0.00	150.2 (1-Lane)
1.800	2.23	21.92	0.00	89.2 (2-Lane)
1.800	2.56	25.15	0.00	102.4 (1-Lane)
1.900	2.30	71.29	0.00	92.0 (2-Lane)
1.900	2.64	81.82	0.00	105.6 (1-Lane)
1.949	1.67	170.85	0.00	66.8 (2-Lane)
1.949	1.92	196.10	0.00	76.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN
Rating Live Load: 3S2

Gamma	DC		DW		(1-Lane)
	DC	DW	LL	LL	
1.00	1.00	1.00	0.80	0.80	

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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	56.2	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2543

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-INV
 Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-INV
 Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-INV
 Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.14	999.00	17.14	999.00	0.00	685.5 (2-Lane)
1.100	22.92	999.00	22.92	999.00	0.00	916.8 (1-Lane)
1.200	9.93	999.00	9.93	999.00	0.00	397.1 (2-Lane)
1.200	13.28	999.00	13.28	999.00	0.00	531.1 (1-Lane)
1.300	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.300	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)
1.400	7.20	999.00	7.20	999.00	0.00	287.9 (2-Lane)
1.400	9.63	999.00	9.63	999.00	0.00	385.0 (1-Lane)
1.500	6.75	999.00	6.75	999.00	0.00	269.9 (2-Lane)
1.500	9.02	999.00	9.02	999.00	0.00	360.9 (1-Lane)
1.600	7.20	999.00	7.20	999.00	0.00	287.9 (2-Lane)
1.600	9.63	999.00	9.63	999.00	0.00	385.0 (1-Lane)
1.700	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.700	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)

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1.800	9.93	999.00	9.93	999.00	0.00 397.1 (2-Lane)
1.800	13.28	999.00	13.28	999.00	0.00 531.1 (1-Lane)
1.900	17.05	999.00	17.05	999.00	0.00 681.9 (2-Lane)
1.900	22.80	999.00	22.80	999.00	0.00 911.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3-3

Gamma		DC	DW	(2-Lane)	(1-Lane)
		1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.57	0.00	54.56	0.00	63.22	0.00	47.54
1.100	43.8	6.2	66.89	0.00	50.29	0.00	58.28	0.00	43.82
1.200	29.3	4.6	55.21	0.00	41.51	0.00	48.10	0.00	36.17
1.300	19.5	3.1	43.53	0.00	32.73	0.00	37.92	0.00	28.51
1.400	9.8	1.5	33.97	0.00	25.54	0.00	29.60	0.00	22.26
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30
1.600	-9.8	-1.5	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26
1.700	-19.5	-3.1	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51
1.800	-29.3	-4.6	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17
1.900	-39.0	-6.2	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82
1.949	-43.7	-13.9	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.7	30.6	119.2	-130.5	107.9 (2-Lane)
1.400	90.8	30.6	121.3	-132.6	110.0 (1-Lane)
1.500	49.8	48.2	98.0	-98.0	98.0 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.7	30.6	119.2	-108.0	130.5 (2-Lane)
1.600	90.8	30.6	121.3	-110.0	132.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	206.77	1.87	0.00	74.6 (2-Lane)
1.051	237.32	2.14	0.00	85.7 (1-Lane)
1.100	86.03	2.51	0.00	100.5 (2-Lane)
1.100	98.74	2.88	0.00	115.3 (1-Lane)
1.200	26.61	2.59	0.00	103.7 (2-Lane)
1.200	30.55	2.98	0.00	119.0 (1-Lane)
1.300	16.62	3.83	0.00	153.0 (2-Lane)
1.300	19.08	4.39	0.00	175.6 (1-Lane)
1.400	6.92	3.18	0.00	127.1 (2-Lane)
1.400	8.07	3.72	0.00	148.7 (1-Lane)
1.500	3.71	3.71	0.00	148.4 (2-Lane)
1.500	4.25	4.25	0.00	170.0 (1-Lane)
1.600	3.18	6.92	0.00	127.1 (2-Lane)
1.600	3.72	8.07	0.00	148.7 (1-Lane)
1.700	3.83	16.62	0.00	153.0 (2-Lane)
1.700	4.39	19.08	0.00	175.6 (1-Lane)
1.800	2.59	26.61	0.00	103.7 (2-Lane)
1.800	2.98	30.55	0.00	119.0 (1-Lane)
1.900	2.68	86.56	0.00	107.2 (2-Lane)
1.900	3.08	99.35	0.00	123.1 (1-Lane)
1.949	1.95	207.47	0.00	77.8 (2-Lane)
1.949	2.23	238.12	0.00	89.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2551

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3

Span	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
 Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
 Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL 1.75		LL 1.75	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.200	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.300	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.400	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.500	692.1	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	0.00
1.600	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2554

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
 Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5

9999999_20120831cy17_FlexuralRpt.txt
1.800 6096.9 6096.9 0.0 0.0 5583.7 5583.7 -513.2 -513.2
1.900 6096.9 6096.9 0.0 0.0 5808.2 5808.2 -288.7 -288.7
1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.71	999.00	15.71	999.00	0.00	424.2 (2-Lane)
1.100	21.01	999.00	21.01	999.00	0.00	567.4 (1-Lane)
1.200	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.200	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.300	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.300	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.500	5.43	999.00	5.43	999.00	0.00	146.7 (2-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	196.2 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.700	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.700	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.800	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.800	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.900	15.63	999.00	15.63	999.00	0.00	422.0 (2-Lane)
1.900	20.90	999.00	20.90	999.00	0.00	564.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2556

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	77.46	0.00	58.24	0.00
1.100	43.8	6.2	72.95	0.00	54.85	0.00
1.200	29.3	4.6	63.68	0.00	47.88	0.00
1.300	19.5	3.1	54.40	0.00	40.90	0.00
1.400	9.8	1.5	45.13	0.00	33.93	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00
1.600	-9.8	-1.5	-45.13	0.00	-33.93	0.00
1.700	-19.5	-3.1	-54.40	0.00	-40.90	0.00
1.800	-29.3	-4.6	-63.68	0.00	-47.88	0.00
1.900	-39.0	-6.2	-72.95	0.00	-54.85	0.00
1.949	-43.7	-13.9	-77.46	0.00	-58.24	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	95.2	30.6	125.7	-137.0	114.4 (2-Lane)
1.400	98.3	30.6	128.9	-140.2	117.6 (1-Lane)
1.500	57.6	48.2	105.9	-105.9	105.9 (2-Lane)
1.500	58.2	48.2	106.4	-106.4	106.4 (1-Lane)
1.600	95.2	30.6	125.7	-114.5	137.0 (2-Lane)
1.600	98.3	30.6	128.9	-117.6	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.75	0.00	47.2 (2-Lane)
1.051	195.44	2.01	0.00	54.2 (1-Lane)
1.100	70.85	2.30	0.00	62.2 (2-Lane)
1.100	81.31	2.64	0.00	71.4 (1-Lane)
1.200	20.21	2.25	0.00	60.7 (2-Lane)
1.200	23.20	2.58	0.00	69.7 (1-Lane)
1.300	11.99	3.06	0.00	82.6 (2-Lane)
1.300	13.77	3.51	0.00	94.8 (1-Lane)
1.400	5.16	2.54	0.00	68.5 (2-Lane)
1.400	6.05	2.99	0.00	80.7 (1-Lane)
1.500	2.95	2.95	0.00	79.7 (2-Lane)
1.500	3.41	3.41	0.00	92.0 (1-Lane)
1.600	2.54	5.16	0.00	68.5 (2-Lane)
1.600	2.99	6.05	0.00	80.7 (1-Lane)
1.700	3.06	11.99	0.00	82.6 (2-Lane)
1.700	3.51	13.77	0.00	94.8 (1-Lane)
1.800	2.25	20.21	0.00	60.7 (2-Lane)
1.800	2.58	23.20	0.00	69.7 (1-Lane)
1.900	2.46	71.29	0.00	66.4 (2-Lane)
1.900	2.82	81.82	0.00	76.2 (1-Lane)
1.949	1.82	170.85	0.00	49.2 (2-Lane)
1.949	2.09	196.10	0.00	56.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN

Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.00		1.00		LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00

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1.400	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60
1.500	553.7	87.8	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51
1.600	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60
1.700	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66
1.800	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73
1.900	199.3	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
Rating Live Load: SU4

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00	532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00	712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck		Live Load w/impact Truck		Live Load w/o impact Truck	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.16	999.00	14.16	999.00	0.00	438.9 (2-Lane)
1.100	18.93	999.00	18.93	999.00	0.00	587.0 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.200	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.300	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.300	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.400	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.400	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.500	4.98	999.00	4.98	999.00	0.00	154.4 (2-Lane)
1.500	6.66	999.00	6.66	999.00	0.00	206.4 (1-Lane)
1.600	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.600	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.700	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.700	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.800	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.900	14.08	999.00	14.08	999.00	0.00	436.6 (2-Lane)
1.900	18.83	999.00	18.83	999.00	0.00	583.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	86.14	0.00	64.77	0.00	75.05	0.00	56.43	0.00
1.100	43.8	6.2	80.96	0.00	60.88	0.00	70.54	0.00	53.04	0.00
1.200	29.3	4.6	70.32	0.00	52.87	0.00	61.26	0.00	46.06	0.00
1.300	19.5	3.1	59.67	0.00	44.86	0.00	51.99	0.00	39.09	0.00
1.400	9.8	1.5	49.02	0.00	36.85	0.00	42.71	0.00	32.11	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	0.00	25.13	0.00
1.600	-9.8	-1.5	-49.02	0.00	-36.85	0.00	-42.71	0.00	-32.11	0.00
1.700	-19.5	-3.1	-59.67	0.00	-44.86	0.00	-51.99	0.00	-39.09	0.00
1.800	-29.3	-4.6	-70.32	0.00	-52.87	0.00	-61.26	0.00	-46.06	0.00
1.900	-39.0	-6.2	-80.96	0.00	-60.88	0.00	-70.54	0.00	-53.04	0.00
1.949	-43.7	-13.9	-86.14	0.00	-64.77	0.00	-75.05	0.00	-56.43	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (2-Lane)
1.400	99.5	30.6	130.1	-141.4	118.8 (1-Lane)
1.500	58.5	48.2	106.8	-106.8	106.8 (2-Lane)
1.500	59.3	48.2	107.6	-107.6	107.6 (1-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (2-Lane)
1.600	99.5	30.6	130.1	-118.8	141.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.57	0.00	48.7 (2-Lane)
1.051	195.44	1.80	0.00	55.9 (1-Lane)
1.100	70.85	2.08	0.00	64.3 (2-Lane)
1.100	81.31	2.38	0.00	73.8 (1-Lane)
1.200	20.21	2.04	0.00	63.1 (2-Lane)
1.200	23.20	2.34	0.00	72.4 (1-Lane)

1.300	11.22	2.79	0.00	86.5 (2-Lane)
1.300	12.88	3.20	0.00	99.3 (1-Lane)
1.400	4.97	2.35	0.00	72.9 (2-Lane)
1.400	5.86	2.78	0.00	86.3 (1-Lane)
1.500	2.78	2.78	0.00	86.3 (2-Lane)
1.500	3.22	3.22	0.00	99.8 (1-Lane)
1.600	2.35	4.97	0.00	72.9 (2-Lane)
1.600	2.78	5.86	0.00	86.3 (1-Lane)
1.700	2.79	11.22	0.00	86.5 (2-Lane)
1.700	3.20	12.88	0.00	99.3 (1-Lane)
1.800	2.04	20.21	0.00	63.1 (2-Lane)
1.800	2.34	23.20	0.00	72.4 (1-Lane)
1.900	2.21	71.29	0.00	68.7 (2-Lane)
1.900	2.54	81.82	0.00	78.8 (1-Lane)
1.949	1.64	170.85	0.00	50.8 (2-Lane)
1.949	1.88	196.10	0.00	58.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load: Span

Service Resistance				Available Resistance for LL+I			
Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.41	999.00	13.41	999.00	0.00	466.2 (2-Lane)
1.100	17.94	999.00	17.94	999.00	0.00	623.4 (1-Lane)
1.200	7.11	999.00	7.11	999.00	0.00	247.1 (2-Lane)
1.200	9.51	999.00	9.51	999.00	0.00	330.4 (1-Lane)
1.300	5.32	999.00	5.32	999.00	0.00	184.7 (2-Lane)
1.300	7.11	999.00	7.11	999.00	0.00	247.1 (1-Lane)
1.400	4.63	999.00	4.63	999.00	0.00	160.9 (2-Lane)
1.400	6.19	999.00	6.19	999.00	0.00	215.2 (1-Lane)
1.500	4.47	999.00	4.47	999.00	0.00	155.3 (2-Lane)
1.500	5.97	999.00	5.97	999.00	0.00	207.6 (1-Lane)
1.600	4.63	999.00	4.63	999.00	0.00	160.9 (2-Lane)
1.600	6.19	999.00	6.19	999.00	0.00	215.2 (1-Lane)
1.700	5.32	999.00	5.32	999.00	0.00	184.7 (2-Lane)
1.700	7.11	999.00	7.11	999.00	0.00	247.1 (1-Lane)
1.800	7.11	999.00	7.11	999.00	0.00	247.1 (2-Lane)
1.800	9.51	999.00	9.51	999.00	0.00	330.4 (1-Lane)
1.900	13.34	999.00	13.34	999.00	0.00	463.7 (2-Lane)
1.900	17.85	999.00	17.85	999.00	0.00	620.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.25	0.00	68.61	0.00
1.100	43.8	6.2	85.45	0.00	64.25	0.00
1.200	29.3	4.6	73.51	0.00	55.27	0.00
1.300	19.5	3.1	61.58	0.00	46.30	0.00
1.400	9.8	1.5	49.64	0.00	37.32	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00
1.600	-9.8	-1.5	-49.64	0.00	-37.32	0.00
1.700	-19.5	-3.1	-61.58	0.00	-46.30	0.00
1.800	-29.3	-4.6	-73.51	0.00	-55.27	0.00
1.900	-39.0	-6.2	-85.45	0.00	-64.25	0.00
1.949	-43.7	-13.9	-91.25	0.00	-68.61	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU6

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-) (+)	
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)

1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.6	30.6	123.2	-134.5	111.9 (2-Lane)
1.400	96.5	30.6	127.1	-138.4	115.8 (1-Lane)
1.500	55.0	48.2	103.2	-103.2	103.2 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.6	30.6	123.2	-111.9	134.5 (2-Lane)
1.600	96.5	30.6	127.1	-115.8	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.48	0.00	51.6 (2-Lane)
1.051	288.92	1.70	0.00	59.2 (1-Lane)
1.100	119.80	1.97	0.00	68.3 (2-Lane)
1.100	137.50	2.26	0.00	78.4 (1-Lane)
1.200	25.54	1.95	0.00	67.7 (2-Lane)
1.200	29.31	2.23	0.00	77.7 (1-Lane)
1.300	12.50	2.70	0.00	94.0 (2-Lane)
1.300	14.34	3.10	0.00	107.9 (1-Lane)
1.400	5.00	2.26	0.00	78.3 (2-Lane)
1.400	5.91	2.68	0.00	93.1 (1-Lane)
1.500	2.74	2.74	0.00	95.1 (2-Lane)
1.500	3.17	3.17	0.00	110.3 (1-Lane)
1.600	2.26	5.00	0.00	78.3 (2-Lane)
1.600	2.68	5.91	0.00	93.1 (1-Lane)
1.700	2.70	12.50	0.00	94.0 (2-Lane)
1.700	3.10	14.34	0.00	107.9 (1-Lane)
1.800	1.95	25.54	0.00	67.7 (2-Lane)
1.800	2.23	29.31	0.00	77.7 (1-Lane)
1.900	2.10	120.54	0.00	72.9 (2-Lane)
1.900	2.41	138.35	0.00	83.7 (1-Lane)
1.949	1.55	252.57	0.00	53.8 (2-Lane)
1.949	1.78	289.88	0.00	61.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.00		1.00		LL		LL			
					0.80		0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	Rating Factor		bottom fiber		Rating Value	Load Resistance (tons)
	top fiber +bend	fiber -bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5 (2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	1.75	LL	1.75
	1.25	1.25				

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV

Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.82	999.00	12.82	999.00	0.00	496.8 (2-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	664.4 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.200	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.300	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.300	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.400	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.400	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.5 (2-Lane)
1.500	5.51	999.00	5.51	999.00	0.00	213.4 (1-Lane)
1.600	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.600	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.700	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.700	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.800	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.900	12.75	999.00	12.75	999.00	0.00	494.2 (2-Lane)
1.900	17.06	999.00	17.06	999.00	0.00	660.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	95.88	0.00	72.09	0.00	83.54	0.00	62.81	0.00
1.100	43.8	6.2	89.41	0.00	67.23	0.00	77.90	0.00	58.57	0.00
1.200	29.3	4.6	76.10	0.00	57.22	0.00	66.30	0.00	49.85	0.00
1.300	19.5	3.1	62.78	0.00	47.21	0.00	54.70	0.00	41.13	0.00
1.400	9.8	1.5	49.47	0.00	37.20	0.00	43.10	0.00	32.41	0.00
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05	0.00
1.600	-9.8	-1.5	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41	0.00
1.700	-19.5	-3.1	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13	0.00
1.800	-29.3	-4.6	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85	0.00
1.900	-39.0	-6.2	-89.41	0.00	-67.23	0.00	-77.90	0.00	-58.57	0.00
1.949	-43.7	-13.9	-95.88	0.00	-72.09	0.00	-83.54	0.00	-62.81	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	93.3	30.6	123.9	-135.2	112.6 (1-Lane)
1.500	51.9	48.2	100.1	-100.1	100.1 (2-Lane)
1.500	53.1	48.2	101.3	-101.3	101.3 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	93.3	30.6	123.9	-112.6	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-INV
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.41	0.00	54.7 (2-Lane)
1.051	288.92	1.62	0.00	62.8 (1-Lane)
1.100	135.69	1.88	0.00	72.8 (2-Lane)
1.100	155.73	2.16	0.00	83.6 (1-Lane)
1.200	33.72	1.88	0.00	72.9 (2-Lane)
1.200	38.70	2.16	0.00	83.7 (1-Lane)
1.300	14.34	2.65	0.00	102.8 (2-Lane)
1.300	16.46	3.04	0.00	118.0 (1-Lane)
1.400	5.16	2.19	0.00	84.9 (2-Lane)
1.400	6.11	2.61	0.00	101.2 (1-Lane)
1.500	2.73	2.73	0.00	105.6 (2-Lane)

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1.500	3.17	3.17	0.00	122.7 (1-Lane)
1.600	2.19	5.16	0.00	84.9 (2-Lane)
1.600	2.61	6.11	0.00	101.2 (1-Lane)
1.700	2.65	14.34	0.00	102.8 (2-Lane)
1.700	3.04	16.46	0.00	118.0 (1-Lane)
1.800	1.88	33.72	0.00	72.9 (2-Lane)
1.800	2.16	38.70	0.00	83.7 (1-Lane)
1.900	2.01	136.53	0.00	77.7 (2-Lane)
1.900	2.30	156.70	0.00	89.2 (1-Lane)
1.949	1.47	252.57	0.00	57.1 (2-Lane)
1.949	1.69	289.88	0.00	65.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-IN
Rating Live Load: SU7

Gamma		DC	DW	LL	LL
		1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7

Span		Service Resistance				Available Resistance for LL+I			
		Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-INV S
Rating Live Load: SU7

Service

Span		Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6	(2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0	(1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2	(2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7	(1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0	(2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	109.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2586

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.2 (2-Lane)
1.100	17.73	999.00	17.73	999.00	0.00	638.2 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.200	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.300	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.400	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.400	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.500	4.76	999.00	4.76	999.00	0.00	171.3 (2-Lane)
1.500	6.36	999.00	6.36	999.00	0.00	229.1 (1-Lane)
1.600	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.600	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.700	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.800	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	474.7 (2-Lane)
1.900	17.63	999.00	17.63	999.00	0.00	634.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.11	0.00	72.55	0.00	79.38	0.00	63.21
1.100	43.8	6.2	84.85	0.00	67.43	0.00	73.93	0.00	58.75
1.200	29.3	4.6	72.23	0.00	57.18	0.00	62.93	0.00	49.82
1.300	19.5	3.1	59.97	0.00	47.29	0.00	52.25	0.00	41.21
1.400	9.8	1.5	48.08	0.00	37.77	0.00	41.89	0.00	32.91
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92
1.600	-9.8	-1.5	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91
1.700	-19.5	-3.1	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21
1.800	-29.3	-4.6	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82
1.900	-39.0	-6.2	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75
1.949	-43.7	-13.9	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2589

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HL93

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.9	30.6	123.5	-134.8	112.2 (2-Lane)

1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.9	30.6	123.5	-112.2	134.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.49	0.00	53.5 (2-Lane)
1.051	134.59	1.71	0.00	61.4 (1-Lane)
1.100	62.45	1.98	0.00	71.3 (2-Lane)
1.100	71.68	2.27	0.00	81.8 (1-Lane)
1.200	18.12	1.98	0.00	71.3 (2-Lane)
1.200	20.79	2.27	0.00	81.9 (1-Lane)
1.300	11.04	2.78	0.00	99.9 (2-Lane)
1.300	12.67	3.19	0.00	114.7 (1-Lane)
1.400	4.98	2.33	0.00	84.0 (2-Lane)
1.400	5.87	2.77	0.00	99.6 (1-Lane)
1.500	2.83	2.83	0.00	101.9 (2-Lane)
1.500	3.28	3.28	0.00	118.0 (1-Lane)
1.600	2.33	4.98	0.00	84.0 (2-Lane)
1.600	2.77	5.87	0.00	99.6 (1-Lane)
1.700	2.78	11.04	0.00	99.9 (2-Lane)
1.700	3.19	12.67	0.00	114.7 (1-Lane)
1.800	1.98	18.12	0.00	71.3 (2-Lane)
1.800	2.27	20.79	0.00	81.9 (1-Lane)
1.900	2.11	60.29	0.00	76.1 (2-Lane)
1.900	2.43	69.20	0.00	87.3 (1-Lane)
1.949	1.55	115.13	0.00	55.8 (2-Lane)
1.949	1.78	132.14	0.00	64.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	LL	LL	LL	LL
					1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00
1.200	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00
1.300	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00
1.400	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00
1.500	692.1	109.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00
1.600	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00
1.700	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00
1.800	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00
1.900	249.2	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01 9999999_20120831cy17_FlexuralRpt.txt

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.33	999.00	16.33	999.00	326.65	588.0 (2-Lane)
1.100	21.84	999.00	21.84	999.00	436.86	786.3 (1-Lane)
1.200	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.200	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.300	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.300	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.400	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.400	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.500	6.00	999.00	6.00	999.00	120.05	216.1 (2-Lane)
1.500	8.03	999.00	8.03	999.00	160.55	289.0 (1-Lane)
1.600	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.600	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.700	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.700	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.800	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.800	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.900	16.25	999.00	16.25	999.00	324.93	584.9 (2-Lane)
1.900	21.73	999.00	21.73	999.00	434.55	782.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: HS20

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.82	0.00	56.26	0.00	65.19	0.00
1.100	43.8	6.2	70.18	0.00	52.77	0.00	61.15	0.00
1.200	29.3	4.6	60.64	0.00	45.60	0.00	52.84	0.00
1.300	19.5	3.1	51.10	0.00	38.42	0.00	44.52	0.00
1.400	9.8	1.5	41.56	0.00	31.25	0.00	36.21	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.600	-9.8	-1.5	-41.56	0.00	-31.25	0.00	-36.21	0.00	-27.23
1.700	-19.5	-3.1	-51.10	0.00	-38.42	0.00	-44.52	0.00	-33.48
1.800	-29.3	-4.6	-60.64	0.00	-45.60	0.00	-52.84	0.00	-39.73
1.900	-39.0	-6.2	-70.18	0.00	-52.77	0.00	-61.15	0.00	-45.98
1.949	-43.7	-13.9	-74.82	0.00	-56.26	0.00	-65.19	0.00	-49.01
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-OPER

Rating Live Load:

HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.6	30.6	124.2	-135.5	112.9 (2-Lane)
1.400	96.4	30.6	127.0	-138.3	115.7 (1-Lane)
1.500	55.0	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	93.6	30.6	124.2	-112.9	135.5 (2-Lane)
1.600	96.4	30.6	127.0	-115.7	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-OPER

Rating Live Load:

HS20

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.81	36.19	65.1 (2-Lane)
1.051	134.59	2.08	41.54	74.8 (1-Lane)
1.100	63.21	2.39	47.88	86.2 (2-Lane)
1.100	72.55	2.75	54.95	98.9 (1-Lane)
1.200	24.87	2.36	47.20	85.0 (2-Lane)
1.200	28.54	2.71	54.18	97.5 (1-Lane)
1.300	14.12	3.26	65.17	117.3 (2-Lane)
1.300	16.21	3.74	74.79	134.6 (1-Lane)
1.400	5.77	2.72	54.33	97.8 (2-Lane)
1.400	6.76	3.19	63.88	115.0 (1-Lane)
1.500	3.22	3.22	64.51	116.1 (2-Lane)
1.500	3.71	3.71	74.16	133.5 (1-Lane)
1.600	2.72	5.77	54.33	97.8 (2-Lane)
1.600	3.19	6.76	63.89	115.0 (1-Lane)
1.700	3.26	14.12	65.17	117.3 (2-Lane)
1.700	3.74	16.21	74.79	134.6 (1-Lane)
1.800	2.36	24.87	47.20	85.0 (2-Lane)
1.800	2.71	28.54	54.18	97.5 (1-Lane)
1.900	2.56	63.60	51.10	92.0 (2-Lane)
1.900	2.93	73.00	58.65	105.6 (1-Lane)
1.949	1.89	117.66	37.75	67.9 (2-Lane)
1.949	2.17	135.04	43.33	78.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	109.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: 3

Span	Moment Resistance		Bending Top	Bending Bott.	Available Resistance for LL+I			
	Positive Top	Bending Bott.			Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.50	999.00	22.50	999.00	0.00	562.5 (2-Lane)
1.100	30.09	999.00	30.09	999.00	0.00	752.3 (1-Lane)
1.200	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.200	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.300	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.300	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.400	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.400	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.500	8.02	999.00	8.02	999.00	0.00	200.4 (2-Lane)
1.500	10.72	999.00	10.72	999.00	0.00	268.0 (1-Lane)
1.600	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.600	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.700	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.700	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.800	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.800	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)

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1.900	22.38	999.00	22.38	999.00	0.00	559.5 (2-Lane)
1.900	29.93	999.00	29.93	999.00	0.00	748.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	LL		LL		LL		LL	
	1.25		1.25		1.35		1.35	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-13.9	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.3	107.8 (2-Lane)
1.400	90.1	30.6	120.6	-131.9	109.4 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	49.3	48.2	97.5	-97.5	97.5 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	90.1	30.6	120.7	-109.4	131.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.50	0.00	62.5 (2-Lane)
1.051	253.35	2.87	0.00	71.7 (1-Lane)

1.100	91.84	3.30	0.00	82.4 (2-Lane)
1.100	105.41	3.79	0.00	94.6 (1-Lane)
1.200	28.41	3.23	0.00	80.7 (2-Lane)
1.200	32.61	3.71	0.00	92.7 (1-Lane)
1.300	17.75	4.42	0.00	110.4 (2-Lane)
1.300	20.37	5.07	0.00	126.7 (1-Lane)
1.400	7.31	3.47	0.00	86.7 (2-Lane)
1.400	8.50	4.04	0.00	101.0 (1-Lane)
1.500	4.01	4.01	0.00	100.4 (2-Lane)
1.500	4.58	4.58	0.00	114.5 (1-Lane)
1.600	3.47	7.31	0.00	86.7 (2-Lane)
1.600	4.04	8.50	0.00	101.0 (1-Lane)
1.700	4.42	17.75	0.00	110.4 (2-Lane)
1.700	5.07	20.37	0.00	126.7 (1-Lane)
1.800	3.23	28.41	0.00	80.7 (2-Lane)
1.800	3.71	32.61	0.00	92.7 (1-Lane)
1.900	3.52	92.41	0.00	88.0 (2-Lane)
1.900	4.04	106.06	0.00	101.0 (1-Lane)
1.949	2.61	221.48	0.00	65.2 (2-Lane)
1.949	2.99	254.20	0.00	74.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	109.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.07	999.00	19.07	999.00	0.00	762.6 (2-Lane)
1.100	25.50	999.00	25.50	999.00	0.00	999.0 (1-Lane)
1.200	11.07	999.00	11.07	999.00	0.00	442.7 (2-Lane)
1.200	14.80	999.00	14.80	999.00	0.00	592.0 (1-Lane)
1.300	8.21	999.00	8.21	999.00	0.00	328.5 (2-Lane)
1.300	10.98	999.00	10.98	999.00	0.00	439.3 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00	291.5 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00	389.8 (1-Lane)
1.500	7.38	999.00	7.38	999.00	0.00	295.2 (2-Lane)
1.500	9.87	999.00	9.87	999.00	0.00	394.7 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00	291.5 (2-Lane)
1.600	9.74	999.00	9.74	999.00	0.00	389.8 (1-Lane)
1.700	8.21	999.00	8.21	999.00	0.00	328.5 (2-Lane)
1.700	10.98	999.00	10.98	999.00	0.00	439.3 (1-Lane)
1.800	11.07	999.00	11.07	999.00	0.00	442.7 (2-Lane)
1.800	14.80	999.00	14.80	999.00	0.00	592.0 (1-Lane)
1.900	18.97	999.00	18.97	999.00	0.00	758.6 (2-Lane)
1.900	25.36	999.00	25.36	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	52.03	0.00	39.12	0.00	45.34	0.00
1.100	43.8	6.2	60.12	0.00	45.21	0.00	52.38	0.00
1.200	29.3	4.6	49.52	0.00	37.24	0.00	43.15	0.00
1.300	19.5	3.1	39.27	0.00	29.53	0.00	34.22	0.00
1.400	9.8	1.5	30.50	0.00	22.93	0.00	26.58	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00
1.600	-9.8	-1.5	-30.50	0.00	-22.93	0.00	-26.58	0.00
1.700	-19.5	-3.1	-39.27	0.00	-29.53	0.00	-34.22	0.00
1.800	-29.3	-4.6	-49.52	0.00	-37.24	0.00	-43.15	0.00
1.900	-39.0	-6.2	-60.12	0.00	-45.21	0.00	-52.38	0.00
1.949	-43.7	-13.9	-65.28	0.00	-49.08	0.00	-56.87	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3S2

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	83.8	30.6	114.4	-125.7	103.1 (2-Lane)
1.400	85.9	30.6	116.5	-127.8	105.2 (1-Lane)
1.500	44.8	48.2	93.0	-93.0	93.0 (2-Lane)
1.500	44.4	48.2	92.6	-92.6	92.6 (1-Lane)
1.600	83.8	30.6	114.4	-103.1	125.7 (2-Lane)

1.600	85.9	30.6	116.5	-105.2	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.60	0.00	104.1 (2-Lane)
1.051	253.35	2.99	0.00	119.5 (1-Lane)
1.100	91.84	2.79	0.00	111.8 (2-Lane)
1.100	105.41	3.21	0.00	128.3 (1-Lane)
1.200	28.41	2.89	0.00	115.6 (2-Lane)
1.200	32.61	3.32	0.00	132.7 (1-Lane)
1.300	17.75	4.24	0.00	169.6 (2-Lane)
1.300	20.37	4.87	0.00	194.7 (1-Lane)
1.400	7.65	3.38	0.00	135.2 (2-Lane)
1.400	8.93	3.96	0.00	158.3 (1-Lane)
1.500	4.25	4.25	0.00	169.9 (2-Lane)
1.500	4.86	4.86	0.00	194.3 (1-Lane)
1.600	3.38	7.65	0.00	135.2 (2-Lane)
1.600	3.96	8.93	0.00	158.3 (1-Lane)
1.700	4.24	17.75	0.00	169.6 (2-Lane)
1.700	4.87	20.37	0.00	194.7 (1-Lane)
1.800	2.89	28.41	0.00	115.6 (2-Lane)
1.800	3.32	32.61	0.00	132.7 (1-Lane)
1.900	2.98	92.41	0.00	119.3 (2-Lane)
1.900	3.42	106.06	0.00	136.9 (1-Lane)
1.949	2.16	221.48	0.00	86.5 (2-Lane)
1.949	2.48	254.20	0.00	99.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2613

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	LL	1.25	LL	1.25	LL	1.35	LL	1.35		
	Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	692.1	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	249.2	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2615

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.22	999.00	22.22	999.00	0.00	888.6 (2-Lane)
1.100	29.71	999.00	29.71	999.00	0.00	999.0 (1-Lane)
1.200	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)
1.200	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)
1.300	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)
1.300	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)
1.400	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)
1.400	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)
1.500	8.75	999.00	8.75	999.00	0.00	349.8 (2-Lane)
1.500	11.70	999.00	11.70	999.00	0.00	467.9 (1-Lane)
1.600	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)
1.600	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)
1.700	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)
1.700	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)
1.800	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)
1.800	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)
1.900	22.10	999.00	22.10	999.00	0.00	883.9 (2-Lane)
1.900	29.55	999.00	29.55	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
 Rating Live Load: 3-3

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	(2-Lane)		(1-Lane)	
					LL	1.35	LL	1.35
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	55.98	0.00	42.09	0.00	48.77	0.00
1.100	43.8	6.2	51.60	0.00	38.80	0.00	44.96	0.00
1.200	29.3	4.6	42.59	0.00	32.02	0.00	37.11	0.00
1.300	19.5	3.1	33.58	0.00	25.25	0.00	29.26	0.00
1.400	9.8	1.5	26.21	0.00	19.71	0.00	22.83	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00
1.600	-9.8	-1.5	-26.21	0.00	-19.71	0.00	-22.83	0.00
1.700	-19.5	-3.1	-33.58	0.00	-25.25	0.00	-29.26	0.00
1.800	-29.3	-4.6	-42.59	0.00	-32.02	0.00	-37.11	0.00
1.900	-39.0	-6.2	-51.60	0.00	-38.80	0.00	-44.96	0.00

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1.949 -43.7 -13.9 -55.98 0.00 -42.09 0.00 -48.77 0.00 -36.67 0.00
2.000 -48.8 0.0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2617
STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G14
Rating Type: I-OPER
Rating Live Load: 3-3

	Shear	Resistance		Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	84.1	30.6	114.7	-126.0	103.4 (2-Lane)
1.400	85.4	30.6	115.9	-127.2	104.6 (1-Lane)
1.500	44.9	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.2	48.2	92.4	-92.4	92.4 (1-Lane)
1.600	84.1	30.6	114.7	-103.4	126.0 (2-Lane)
1.600	85.4	30.6	115.9	-104.6	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2618
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G14
Rating Type: I-OPER
Rating Live Load: 3-3

	Span	Rating	Factor	Rating	Load
		(-)	(+)	Value	Resistance
					(tons)
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	268.04	2.42	0.00	96.8	(2-Lane)
1.051	307.64	2.78	0.00	111.0	(1-Lane)
1.100	111.52	3.26	0.00	130.2	(2-Lane)
1.100	127.99	3.74	0.00	149.5	(1-Lane)
1.200	34.50	3.36	0.00	134.4	(2-Lane)
1.200	39.60	3.86	0.00	154.3	(1-Lane)
1.300	21.55	4.96	0.00	198.4	(2-Lane)
1.300	24.73	5.69	0.00	227.7	(1-Lane)
1.400	8.66	3.94	0.00	157.8	(2-Lane)
1.400	10.04	4.58	0.00	183.3	(1-Lane)
1.500	4.57	4.57	0.00	182.9	(2-Lane)
1.500	5.21	5.21	0.00	208.2	(1-Lane)
1.600	3.94	8.66	0.00	157.8	(2-Lane)
1.600	4.58	10.04	0.00	183.3	(1-Lane)
1.700	4.96	21.55	0.00	198.4	(2-Lane)
1.700	5.69	24.73	0.00	227.7	(1-Lane)
1.800	3.36	34.50	0.00	134.4	(2-Lane)
1.800	3.86	39.60	0.00	154.3	(1-Lane)
1.900	3.47	112.21	0.00	139.0	(2-Lane)
1.900	3.99	128.79	0.00	159.5	(1-Lane)
1.949	2.52	268.94	0.00	100.9	(2-Lane)
1.949	2.89	308.67	0.00	115.8	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G14									
Rating Type:	I-OPER									
Rating Live Load:	SU4									
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL	LL	LL	LL	LL	LL	LL	LL
			1.35						1.35	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G14							
Rating Type:	I-OPER							
Rating Live Load:	SU4							
Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G14							
Rating Type:	I-OPER							
Rating Live Load:	SU4							
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	20.37	999.00	20.37	999.00	0.00	549.9	(2-Lane)	
1.100	27.24	999.00	27.24	999.00	0.00	735.5	(1-Lane)	
1.200	11.16	999.00	11.16	999.00	0.00	301.3	(2-Lane)	
1.200	14.92	999.00	14.92	999.00	0.00	402.9	(1-Lane)	
1.300	8.46	999.00	8.46	999.00	0.00	228.3	(2-Lane)	
1.300	11.31	999.00	11.31	999.00	0.00	305.4	(1-Lane)	
1.400	7.29	999.00	7.29	999.00	0.00	196.7	(2-Lane)	
1.400	9.74	999.00	9.74	999.00	0.00	263.1	(1-Lane)	
1.500	7.04	999.00	7.04	999.00	0.00	190.1	(2-Lane)	
1.500	9.42	999.00	9.42	999.00	0.00	254.3	(1-Lane)	
1.600	7.29	999.00	7.29	999.00	0.00	196.7	(2-Lane)	
1.600	9.74	999.00	9.74	999.00	0.00	263.1	(1-Lane)	
1.700	8.46	999.00	8.46	999.00	0.00	228.3	(2-Lane)	
1.700	11.31	999.00	11.31	999.00	0.00	305.4	(1-Lane)	
1.800	11.16	999.00	11.16	999.00	0.00	301.3	(2-Lane)	
1.800	14.92	999.00	14.92	999.00	0.00	402.9	(1-Lane)	
1.900	20.26	999.00	20.26	999.00	0.00	547.0	(2-Lane)	
1.900	27.10	999.00	27.10	999.00	0.00	731.6	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2623

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU4

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.35 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	43.8	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	29.3	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	19.5	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	9.8	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-9.8	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-19.5	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-29.3	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-39.0	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-43.7	-13.9	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU4

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	90.3	30.6	120.9	-132.2	109.6 (2-Lane)
1.400	92.4	30.6	123.0	-134.3	111.7 (1-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (2-Lane)
1.500	52.0	48.2	100.3	-100.3	100.3 (1-Lane)
1.600	90.3	30.6	120.9	-109.6	132.2 (2-Lane)
1.600	92.4	30.6	123.0	-111.7	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.27	0.00	61.2 (2-Lane)
1.051	253.35	2.60	0.00	70.2 (1-Lane)
1.100	91.84	2.98	0.00	80.6 (2-Lane)
1.100	105.41	3.43	0.00	92.5 (1-Lane)
1.200	26.20	2.91	0.00	78.7 (2-Lane)

1.200	30.07	3.34	0.00	90.3 (1-Lane)
1.300	15.55	3.97	0.00	107.1 (2-Lane)
1.300	17.84	4.55	0.00	123.0 (1-Lane)
1.400	6.45	3.15	0.00	85.0 (2-Lane)
1.400	7.52	3.68	0.00	99.4 (1-Lane)
1.500	3.64	3.64	0.00	98.2 (2-Lane)
1.500	4.16	4.16	0.00	112.4 (1-Lane)
1.600	3.15	6.45	0.00	85.0 (2-Lane)
1.600	3.68	7.52	0.00	99.4 (1-Lane)
1.700	3.97	15.55	0.00	107.1 (2-Lane)
1.700	4.55	17.84	0.00	123.0 (1-Lane)
1.800	2.91	26.20	0.00	78.7 (2-Lane)
1.800	3.34	30.07	0.00	90.3 (1-Lane)
1.900	3.19	92.41	0.00	86.0 (2-Lane)
1.900	3.66	106.06	0.00	98.7 (1-Lane)
1.949	2.36	221.48	0.00	63.8 (2-Lane)
1.949	2.71	254.20	0.00	73.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2629

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU5

Moment

Span	Rating	Factor	Rating	Load
				Page 1063

	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend	Value	Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.35	999.00	18.35	999.00	0.00	568.9 (2-Lane)
1.100	24.55	999.00	24.55	999.00	0.00	760.9 (1-Lane)
1.200	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.200	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.300	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.300	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.400	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.500	6.45	999.00	6.45	999.00	0.00	200.1 (2-Lane)
1.500	8.63	999.00	8.63	999.00	0.00	267.6 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.600	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.700	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.700	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.800	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.800	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.900	18.26	999.00	18.26	999.00	0.00	565.9 (2-Lane)
1.900	24.42	999.00	24.42	999.00	0.00	756.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2630

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	66.45	0.00	49.96	0.00	57.90	0.00	43.53	0.00
1.100	43.8	6.2	62.46	0.00	46.96	0.00	54.42	0.00	40.92	0.00
1.200	29.3	4.6	54.24	0.00	40.78	0.00	47.26	0.00	35.53	0.00
1.300	19.5	3.1	46.03	0.00	34.61	0.00	40.10	0.00	30.15	0.00
1.400	9.8	1.5	37.81	0.00	28.43	0.00	32.94	0.00	24.77	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00	19.39	0.00
1.600	-9.8	-1.5	-37.81	0.00	-28.43	0.00	-32.94	0.00	-24.77	0.00
1.700	-19.5	-3.1	-46.03	0.00	-34.61	0.00	-40.10	0.00	-30.15	0.00
1.800	-29.3	-4.6	-54.24	0.00	-40.78	0.00	-47.26	0.00	-35.53	0.00
1.900	-39.0	-6.2	-62.46	0.00	-46.96	0.00	-54.42	0.00	-40.92	0.00
1.949	-43.7	-13.9	-66.45	0.00	-49.96	0.00	-57.90	0.00	-43.53	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2631

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU5

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (2-Lane)
1.400	93.7	30.6	124.3	-135.6	113.0 (1-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	53.3	48.2	101.5	-101.5	101.5 (1-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (2-Lane)
1.600	93.7	30.6	124.3	-113.0	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)

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1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2632

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.04	0.00	63.2 (2-Lane)
1.051	253.35	2.34	0.00	72.5 (1-Lane)
1.100	91.84	2.69	0.00	83.4 (2-Lane)
1.100	105.41	3.09	0.00	95.7 (1-Lane)
1.200	26.20	2.64	0.00	81.8 (2-Lane)
1.200	30.07	3.03	0.00	93.9 (1-Lane)
1.300	14.54	3.62	0.00	112.1 (2-Lane)
1.300	16.69	4.15	0.00	128.7 (1-Lane)
1.400	6.23	2.92	0.00	90.6 (2-Lane)
1.400	7.28	3.43	0.00	106.3 (1-Lane)
1.500	3.43	3.43	0.00	106.4 (2-Lane)
1.500	3.94	3.94	0.00	122.0 (1-Lane)
1.600	2.92	6.23	0.00	90.6 (2-Lane)
1.600	3.43	7.28	0.00	106.3 (1-Lane)
1.700	3.62	14.54	0.00	112.1 (2-Lane)
1.700	4.15	16.69	0.00	128.7 (1-Lane)
1.800	2.64	26.20	0.00	81.8 (2-Lane)
1.800	3.03	30.07	0.00	93.9 (1-Lane)
1.900	2.87	92.41	0.00	89.0 (2-Lane)
1.900	3.30	106.06	0.00	102.2 (1-Lane)
1.949	2.12	221.48	0.00	65.9 (2-Lane)
1.949	2.44	254.20	0.00	75.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2634

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00	251.08 R	0.00
1.200	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00
1.300	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00
1.400	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00
1.500	692.1	109.7	914.24 R	0.00	687.40	0.00	683.61 R	0.00
1.600	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00
1.700	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00
1.800	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00
1.900	249.2	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.39	999.00	17.39	999.00	0.00	604.3 (2-Lane)
1.100	23.26	999.00	23.26	999.00	0.00	808.2 (1-Lane)
1.200	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.200	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.300	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.300	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.400	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.400	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.500	5.79	999.00	5.79	999.00	0.00	201.3 (2-Lane)
1.500	7.75	999.00	7.75	999.00	0.00	269.2 (1-Lane)
1.600	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.600	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.700	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.700	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.800	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.800	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.900	17.30	999.00	17.30	999.00	0.00	601.1 (2-Lane)
1.900	23.13	999.00	23.13	999.00	0.00	803.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35	(1-Lane) LL 1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.40	0.00	52.93	0.00
1.100	43.8	6.2	65.92	0.00	49.56	0.00
1.200	29.3	4.6	56.71	0.00	42.64	0.00
1.300	19.5	3.1	47.50	0.00	35.71	0.00
1.400	9.8	1.5	38.29	0.00	28.79	0.00
1.500	0.0	0.0	29.08	0.00	21.87	0.00
1.600	-9.8	-1.5	-38.29	0.00	-28.79	0.00
1.700	-19.5	-3.1	-47.50	0.00	-35.71	0.00
1.800	-29.3	-4.6	-56.71	0.00	-42.64	0.00
1.900	-39.0	-6.2	-65.92	0.00	-49.56	0.00
1.949	-43.7	-13.9	-70.40	0.00	-52.93	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-OPER
 Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.4	107.8 (2-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.4	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-OPER
 Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.92	0.00	66.8 (2-Lane)
1.051	374.52	2.21	0.00	76.7 (1-Lane)
1.100	155.30	2.55	0.00	88.6 (2-Lane)
1.100	178.24	2.92	0.00	101.7 (1-Lane)
1.200	33.11	2.52	0.00	87.7 (2-Lane)
1.200	38.00	2.90	0.00	100.7 (1-Lane)
1.300	16.20	3.51	0.00	121.8 (2-Lane)
1.300	18.59	4.02	0.00	139.8 (1-Lane)
1.400	6.28	2.82	0.00	97.8 (2-Lane)
1.400	7.37	3.32	0.00	115.2 (1-Lane)
1.500	3.39	3.39	0.00	117.9 (2-Lane)
1.500	3.90	3.90	0.00	135.7 (1-Lane)
1.600	2.82	6.28	0.00	97.8 (2-Lane)
1.600	3.32	7.37	0.00	115.2 (1-Lane)
1.700	3.51	16.20	0.00	121.8 (2-Lane)
1.700	4.02	18.59	0.00	139.8 (1-Lane)
1.800	2.52	33.11	0.00	87.7 (2-Lane)
1.800	2.90	38.00	0.00	100.7 (1-Lane)
1.900	2.72	156.26	0.00	94.5 (2-Lane)
1.900	3.12	179.35	0.00	108.5 (1-Lane)
1.949	2.01	327.40	0.00	69.7 (2-Lane)
1.949	2.30	375.77	0.00	80.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14
 Rating Type: I-OPER

Rating Live Load:		SU7		(2-Lane)		(1-Lane)	
Gamma	DC	DW		LL		LL	
	1.25	1.25		1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	
1.100	218.4	39.5	351.34 R	0.00	262.71 R	0.00	
1.200	443.0	70.2	633.71 R	0.00	473.85 R	0.00	
1.300	581.4	92.1	847.12 R	0.00	636.93 R	0.00	
1.400	664.5	105.3	958.29 R	0.00	720.52 R	0.00	
1.500	692.1	109.7	992.18 R	0.00	746.00 R	0.00	
1.600	664.5	105.3	958.29 R	0.00	720.52 R	0.00	
1.700	581.4	92.1	847.12 R	0.00	636.93 R	0.00	
1.800	443.0	70.2	633.71 R	0.00	476.47 R	0.00	
1.900	249.2	39.5	351.34 R	0.00	264.16 R	0.00	
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER
Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.62	999.00	16.62	999.00	0.00	644.0 (2-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	861.3 (1-Lane)
1.200	8.81	999.00	8.81	999.00	0.00	341.4 (2-Lane)
1.200	11.78	999.00	11.78	999.00	0.00	456.6 (1-Lane)
1.300	6.40	999.00	6.40	999.00	0.00	248.1 (2-Lane)
1.300	8.56	999.00	8.56	999.00	0.00	331.8 (1-Lane)
1.400	5.56	999.00	5.56	999.00	0.00	215.4 (2-Lane)
1.400	7.43	999.00	7.43	999.00	0.00	288.1 (1-Lane)
1.500	5.34	999.00	5.34	999.00	0.00	206.8 (2-Lane)
1.500	7.14	999.00	7.14	999.00	0.00	276.6 (1-Lane)
1.600	5.56	999.00	5.56	999.00	0.00	215.4 (2-Lane)
1.600	7.43	999.00	7.43	999.00	0.00	288.1 (1-Lane)
1.700	6.40	999.00	6.40	999.00	0.00	248.1 (2-Lane)
1.700	8.56	999.00	8.56	999.00	0.00	331.8 (1-Lane)
1.800	8.81	999.00	8.81	999.00	0.00	341.4 (2-Lane)
1.800	11.78	999.00	11.78	999.00	0.00	456.6 (1-Lane)
1.900	16.53	999.00	16.53	999.00	0.00	640.6 (2-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	856.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	6.2	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.6	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	3.1	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.5	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.5	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-3.1	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.6	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-6.2	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-13.9	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU7

Vc	Shear Resistance		Available Resistance for LL+I	
	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	-211.7	166.5 (1-Lane)
1.400	85.6	30.6	-127.5	104.9 (2-Lane)
1.400	88.6	30.6	-130.5	107.9 (1-Lane)
1.500	47.8	48.2	-96.1	96.1 (2-Lane)
1.500	48.3	48.2	-96.5	96.5 (1-Lane)
1.600	85.6	30.6	-104.9	127.5 (2-Lane)
1.600	88.6	30.6	-107.9	130.5 (1-Lane)
1.700	106.5	82.6	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-OPER

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.83	0.00	70.9 (2-Lane)
1.051	374.52	2.10	0.00	81.4 (1-Lane)
1.100	175.89	2.44	0.00	94.4 (2-Lane)
1.100	201.88	2.80	0.00	108.3 (1-Lane)
1.200	43.71	2.44	0.00	94.5 (2-Lane)
1.200	50.17	2.80	0.00	108.4 (1-Lane)
1.300	18.59	3.44	0.00	133.2 (2-Lane)
1.300	21.33	3.95	0.00	152.9 (1-Lane)

1.400	6.51	2.75	0.00	106.5 (2-Lane)
1.400	7.65	3.25	0.00	125.8 (1-Lane)
1.500	3.39	3.39	0.00	131.4 (2-Lane)
1.500	3.91	3.91	0.00	151.6 (1-Lane)
1.600	2.75	6.51	0.00	106.5 (2-Lane)
1.600	3.25	7.65	0.00	125.8 (1-Lane)
1.700	3.44	18.59	0.00	133.2 (2-Lane)
1.700	3.95	21.33	0.00	152.9 (1-Lane)
1.800	2.44	43.71	0.00	94.5 (2-Lane)
1.800	2.80	50.17	0.00	108.4 (1-Lane)
1.900	2.60	176.98	0.00	100.7 (2-Lane)
1.900	2.98	203.13	0.00	115.6 (1-Lane)
1.949	1.91	327.40	0.00	74.0 (2-Lane)
1.949	2.19	375.77	0.00	84.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	346.03 R		260.17	258.74 R		194.54
1.200	443.0	70.2	602.06 R		452.67	450.18 R		338.48
1.300	581.4	92.1	768.09 R		577.51	574.33 R		431.83
1.400	664.5	105.3	863.15 R		648.98	645.41 R		485.27
1.500	692.1	109.7	880.89 R		662.32	658.67 R		495.24
1.600	664.5	105.3	863.15 R		648.98	645.41 R		485.27
1.700	581.4	92.1	768.09 R		577.51	574.33 R		431.83
1.800	443.0	70.2	602.06 R		452.67	450.18 R		338.48
1.900	249.2	39.5	346.03 R		260.17	258.74 R		194.54
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

9999999_20120831cy17_FlexuralRpt.txt					
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	16.88	999.00	16.88	999.00	0.00 421.9 (2-Lane)
1.100	22.57	999.00	22.57	999.00	0.00 564.2 (1-Lane)
1.200	9.27	999.00	9.27	999.00	0.00 231.9 (2-Lane)
1.200	12.40	999.00	12.40	999.00	0.00 310.1 (1-Lane)
1.300	7.06	999.00	7.06	999.00	0.00 176.5 (2-Lane)
1.300	9.44	999.00	9.44	999.00	0.00 236.1 (1-Lane)
1.400	6.17	999.00	6.17	999.00	0.00 154.3 (2-Lane)
1.400	8.25	999.00	8.25	999.00	0.00 206.3 (1-Lane)
1.500	6.01	999.00	6.01	999.00	0.00 150.3 (2-Lane)
1.500	8.04	999.00	8.04	999.00	0.00 201.0 (1-Lane)
1.600	6.17	999.00	6.17	999.00	0.00 154.3 (2-Lane)
1.600	8.25	999.00	8.25	999.00	0.00 206.3 (1-Lane)
1.700	7.06	999.00	7.06	999.00	0.00 176.5 (2-Lane)
1.700	9.44	999.00	9.44	999.00	0.00 236.1 (1-Lane)
1.800	9.27	999.00	9.27	999.00	0.00 231.9 (2-Lane)
1.800	12.40	999.00	12.40	999.00	0.00 310.1 (1-Lane)
1.900	16.78	999.00	16.78	999.00	0.00 419.6 (2-Lane)
1.900	22.45	999.00	22.45	999.00	0.00 561.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2651

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.22	54.30	62.93	47.31
1.100	43.8	6.2	67.93	51.08	59.19	44.50
1.200	29.3	4.6	59.10	44.43	51.49	38.71
1.300	19.5	3.1	50.26	37.79	43.79	32.93
1.400	9.8	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-6.2	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-13.9	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.9	30.6	124.5	-135.8	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.2	-104.2	104.2 (1-Lane)
1.600	93.9	30.6	124.5	-113.2	135.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)

1.949 67.0 131.9 198.8 -141.2 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 256.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2653
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G14
Rating Type: I-LEGL
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.88	0.00	46.9 (2-Lane)
1.051	190.01	2.15	0.00	53.8 (1-Lane)
1.100	68.88	2.47	0.00	61.8 (2-Lane)
1.100	79.06	2.84	0.00	71.0 (1-Lane)
1.200	21.31	2.42	0.00	60.6 (2-Lane)
1.200	24.46	2.78	0.00	69.5 (1-Lane)
1.300	13.31	3.31	0.00	82.8 (2-Lane)
1.300	15.28	3.80	0.00	95.1 (1-Lane)
1.400	5.71	2.73	0.00	68.3 (2-Lane)
1.400	6.69	3.21	0.00	80.3 (1-Lane)
1.500	3.19	3.19	0.00	79.8 (2-Lane)
1.500	3.67	3.67	0.00	91.8 (1-Lane)
1.600	2.73	5.71	0.00	68.3 (2-Lane)
1.600	3.21	6.69	0.00	80.3 (1-Lane)
1.700	3.31	13.31	0.00	82.8 (2-Lane)
1.700	3.80	15.28	0.00	95.1 (1-Lane)
1.800	2.42	21.31	0.00	60.6 (2-Lane)
1.800	2.78	24.46	0.00	69.5 (1-Lane)
1.900	2.64	69.31	0.00	66.0 (2-Lane)
1.900	3.03	79.55	0.00	75.7 (1-Lane)
1.949	1.96	166.11	0.00	48.9 (2-Lane)
1.949	2.24	190.65	0.00	56.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2654
SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G14
Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	153.79 R	115.63	114.99 R	86.46
1.200	443.0	70.2	267.58 R	201.19	200.08 R	150.44
1.300	581.4	92.1	341.37 R	256.67	255.26 R	191.92
1.400	664.5	105.3	383.62 R	288.44	286.85 R	215.67
1.500	692.1	109.7	391.51 R	294.36	292.74 R	220.11
1.600	664.5	105.3	383.62 R	288.44	286.85 R	215.67
1.700	581.4	92.1	341.37 R	256.67	255.26 R	191.92
1.800	443.0	70.2	267.58 R	201.19	200.08 R	150.44
1.900	249.2	39.5	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2654
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G14
Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3
Rating Live Load:
Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Page 1072

	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2655

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	39.5	408.35 R		307.03	305.33 R		229.57		
1.200	443.0	70.2	672.70 R		505.79	503.00 R		378.19		
1.300	581.4	92.1	880.54 R		662.06	658.41 R		495.04		
1.400	664.5	105.3	974.81 R		732.94	728.90 R		548.05		
1.500	692.1	109.7	956.79 R		719.39	715.43 R		537.91		
1.600	664.5	105.3	974.81 R		732.94	728.90 R		548.05		
1.700	581.4	92.1	880.54 R		662.06	658.41 R		495.04		
1.800	443.0	70.2	672.70 R		505.79	503.00 R		378.19		
1.900	249.2	39.5	408.35 R		307.03	305.33 R		229.57		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.30	999.00	14.30	999.00	0.00	572.0 (2-Lane)
1.100	19.12	999.00	19.12	999.00	0.00	764.9 (1-Lane)
1.200	8.30	999.00	8.30	999.00	0.00	332.0 (2-Lane)
1.200	11.10	999.00	11.10	999.00	0.00	444.0 (1-Lane)
1.300	6.16	999.00	6.16	999.00	0.00	246.4 (2-Lane)
1.300	8.24	999.00	8.24	999.00	0.00	329.5 (1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	218.6 (2-Lane)
1.400	7.31	999.00	7.31	999.00	0.00	292.3 (1-Lane)
1.500	5.53	999.00	5.53	999.00	0.00	221.4 (2-Lane)
1.500	7.40	999.00	7.40	999.00	0.00	296.1 (1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	218.6 (2-Lane)
1.600	7.31	999.00	7.31	999.00	0.00	292.3 (1-Lane)
1.700	6.16	999.00	6.16	999.00	0.00	246.4 (2-Lane)
1.700	8.24	999.00	8.24	999.00	0.00	329.5 (1-Lane)
1.800	8.30	999.00	8.30	999.00	0.00	332.0 (2-Lane)
1.800	11.10	999.00	11.10	999.00	0.00	444.0 (1-Lane)
1.900	14.22	999.00	14.22	999.00	0.00	569.0 (2-Lane)
1.900	19.02	999.00	19.02	999.00	0.00	760.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	1.80	LL	1.80
1.25	1.25	1.25				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	69.38	52.16	60.45	45.45

9999999_20120831cy17_FlexuralRpt.txt					
1.100	43.8	6.2	80.16	60.27	69.85
1.200	29.3	4.6	66.03	49.65	57.53
1.300	19.5	3.1	52.36	39.37	45.62
1.400	9.8	1.5	40.67	30.58	35.43
1.500	0.0	0.0	29.19	21.94	25.43
1.600	-9.8	-1.5	-40.67	-30.58	-35.43
1.700	-19.5	-3.1	-52.36	-39.37	-45.62
1.800	-29.3	-4.6	-66.03	-49.65	-57.53
1.900	-39.0	-6.2	-80.16	-60.27	-69.85
1.949	-43.7	-13.9	-87.03	-65.44	-75.83
2.000	-48.8	0.0	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-LEGL

Rating Live Load:

3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.2	30.6	118.8	-130.1	107.5 (2-Lane)
1.400	91.4	30.6	122.0	-133.3	110.7 (1-Lane)
1.500	49.6	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (1-Lane)
1.600	88.2	30.6	118.8	-107.5	130.1 (2-Lane)
1.600	91.4	30.6	122.0	-110.7	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-LEGL

Rating Live Load:

3S2

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.95	0.00	78.1 (2-Lane)
1.051	190.01	2.24	0.00	89.6 (1-Lane)
1.100	68.88	2.10	0.00	83.8 (2-Lane)
1.100	79.06	2.40	0.00	96.2 (1-Lane)
1.200	21.31	2.17	0.00	86.7 (2-Lane)
1.200	24.46	2.49	0.00	99.5 (1-Lane)
1.300	13.31	3.18	0.00	127.2 (2-Lane)
1.300	15.28	3.65	0.00	146.0 (1-Lane)
1.400	5.94	2.64	0.00	105.7 (2-Lane)
1.400	6.98	3.12	0.00	124.9 (1-Lane)
1.500	3.35	3.35	0.00	134.2 (2-Lane)
1.500	3.86	3.86	0.00	154.5 (1-Lane)
1.600	2.64	5.94	0.00	105.7 (2-Lane)
1.600	3.12	6.98	0.00	124.9 (1-Lane)
1.700	3.18	13.31	0.00	127.2 (2-Lane)
1.700	3.65	15.28	0.00	146.0 (1-Lane)
1.800	2.17	21.31	0.00	86.7 (2-Lane)
1.800	2.49	24.46	0.00	99.5 (1-Lane)
1.900	2.24	69.31	0.00	89.5 (2-Lane)
1.900	2.57	79.55	0.00	102.7 (1-Lane)
1.949	1.62	166.11	0.00	64.9 (2-Lane)
1.949	1.86	190.65	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	(2-Lane)	(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	181.49 R	136.46	135.70 R	102.03
1.200	443.0	70.2	298.98 R	224.79	223.56 R	168.09
1.300	581.4	92.1	391.35 R	294.25	292.63 R	220.02
1.400	664.5	105.3	433.25 R	325.75	323.96 R	243.58
1.500	692.1	109.7	425.24 R	319.73	317.97 R	239.07
1.600	664.5	105.3	433.25 R	325.75	323.96 R	243.58
1.700	581.4	92.1	391.35 R	294.25	292.63 R	220.02
1.800	443.0	70.2	298.98 R	224.79	223.55 R	168.09
1.900	249.2	39.5	181.49 R	136.46	135.70 R	102.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2662

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)

1.600	27.99	999.00	8.52	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	350.45 R	263.50	262.05 R	197.03
1.200	443.0	70.2	578.51 R	434.97	432.57 R	325.24
1.300	581.4	92.1	724.75 R	544.92	541.92 R	407.46
1.400	664.5	105.3	761.27 R	572.38	569.23 R	427.99
1.500	692.1	109.7	807.25 R	606.96	603.61 R	453.84
1.600	664.5	105.3	761.27 R	572.38	569.23 R	427.99
1.700	581.4	92.1	724.75 R	544.92	541.92 R	407.46
1.800	443.0	70.2	578.51 R	434.97	432.57 R	325.24
1.900	249.2	39.5	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.66	999.00	16.66	999.00	0.00	666.5 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	891.3 (1-Lane)

1.200	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.200	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.300	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.300	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.400	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.400	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.500	6.56	999.00	6.56	999.00	0.00	262.4 (2-Lane)
1.500	8.77	999.00	8.77	999.00	0.00	350.9 (1-Lane)
1.600	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.600	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.700	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.700	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.800	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.800	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.900	16.57	999.00	16.57	999.00	0.00	662.9 (2-Lane)
1.900	22.17	999.00	22.17	999.00	0.00	886.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.64	56.12	65.03	48.90
1.100	43.8	6.2	68.80	51.73	59.94	45.07
1.200	29.3	4.6	56.79	42.70	49.48	37.20
1.300	19.5	3.1	44.77	33.66	39.01	29.33
1.400	9.8	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-6.2	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-13.9	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	91.4	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (2-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	91.4	30.6	121.9	-110.7	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	201.03	1.81	0.00	72.6 (2-Lane)
1.051	230.73	2.08	0.00	83.3 (1-Lane)
1.100	83.64	2.44	0.00	97.7 (2-Lane)
1.100	96.00	2.80	0.00	112.1 (1-Lane)
1.200	25.87	2.52	0.00	100.8 (2-Lane)
1.200	29.70	2.89	0.00	115.7 (1-Lane)
1.300	16.16	3.72	0.00	148.8 (2-Lane)
1.300	18.55	4.27	0.00	170.7 (1-Lane)
1.400	6.76	3.10	0.00	124.1 (2-Lane)
1.400	7.88	3.63	0.00	145.4 (1-Lane)
1.500	3.63	3.63	0.00	145.1 (2-Lane)
1.500	4.16	4.16	0.00	166.3 (1-Lane)
1.600	3.10	6.76	0.00	124.1 (2-Lane)
1.600	3.63	7.88	0.00	145.4 (1-Lane)
1.700	3.72	16.16	0.00	148.8 (2-Lane)
1.700	4.27	18.55	0.00	170.7 (1-Lane)
1.800	2.52	25.87	0.00	100.8 (2-Lane)
1.800	2.89	29.70	0.00	115.7 (1-Lane)
1.900	2.61	84.16	0.00	104.3 (2-Lane)
1.900	2.99	96.59	0.00	119.7 (1-Lane)
1.949	1.89	201.70	0.00	75.7 (2-Lane)
1.949	2.17	231.50	0.00	86.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LG
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	155.76 R	117.11	116.46 R	87.57	144.55	144.55
1.200	443.0	70.2	257.12 R	193.32	192.25 R	181.09	190.22	190.22
1.300	581.4	92.1	322.11 R	242.19	240.85 R	201.71	190.22	190.22
1.400	664.5	105.3	338.34 R	254.39	252.99 R	201.71	190.22	190.22
1.500	692.1	109.7	358.78 R	269.76	268.27 R	201.71	190.22	190.22
1.600	664.5	105.3	338.34 R	254.39	252.99 R	201.71	190.22	190.22
1.700	581.4	92.1	322.11 R	242.19	240.85 R	201.71	190.22	190.22
1.800	443.0	70.2	257.12 R	193.32	192.25 R	201.71	190.22	190.22
1.900	249.2	39.5	155.76 R	117.11	116.46 R	201.71	190.22	190.22
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1

1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	39.5	339.76 R		255.46	254.05 R		191.01		
1.200	443.0	70.2	593.12 R		445.96	443.50 R		333.46		
1.300	581.4	92.1	760.09 R		571.49	568.34 R		427.33		
1.400	664.5	105.3	866.58 R		651.56	647.97 R		487.20		
1.500	692.1	109.7	891.18 R		670.06	666.37 R		501.03		
1.600	664.5	105.3	866.58 R		651.56	647.97 R		487.20		
1.700	581.4	92.1	760.09 R		571.49	568.34 R		427.33		
1.800	443.0	70.2	593.12 R		445.96	443.50 R		333.46		
1.900	249.2	39.5	339.76 R		255.46	254.05 R		191.01		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
 Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
 Rating Live Load: SU4

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	464.0 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	620.6 (1-Lane)
1.200	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.200	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.300	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.300	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.400	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.400	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.500	5.94	999.00	5.94	999.00	0.00	160.4 (2-Lane)
1.500	7.95	999.00	7.95	999.00	0.00	214.5 (1-Lane)
1.600	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.600	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.700	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.700	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.800	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.800	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.900	17.09	999.00	17.09	999.00	0.00	461.6 (2-Lane)
1.900	22.86	999.00	22.86	999.00	0.00	617.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
 Rating Live Load: SU4

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.82	53.25	61.71	46.40	46.40
1.100	43.8	6.2	66.70	50.15	58.11	43.69	43.69
1.200	29.3	4.6	58.22	43.77	50.73	38.14	38.14
1.300	19.5	3.1	49.74	37.40	43.34	32.58	32.58
1.400	9.8	1.5	41.26	31.02	35.95	27.03	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47	21.47
1.600	-9.8	-1.5	-41.26	-31.02	-35.95	-27.03	-27.03
1.700	-19.5	-3.1	-49.74	-37.40	-43.34	-32.58	-32.58
1.800	-29.3	-4.6	-58.22	-43.77	-50.73	-38.14	-38.14

1.900	-39.0	-6.2	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-13.9	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

9999999_20120831cy17_FlexuralRpt.txt

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-LEGL

Rating Live Load:

SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.5	30.6	124.1	-135.4	112.8 (2-Lane)
1.400	96.2	30.6	126.8	-138.1	115.5 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	93.5	30.6	124.1	-112.8	135.4 (2-Lane)
1.600	96.2	30.6	126.8	-115.5	138.1 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G14

Rating Type:

I-LEGL

Rating Live Load:

SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.91	0.00	51.6 (2-Lane)
1.051	213.76	2.19	0.00	59.2 (1-Lane)
1.100	77.49	2.52	0.00	68.0 (2-Lane)
1.100	88.94	2.89	0.00	78.1 (1-Lane)
1.200	22.10	2.46	0.00	66.4 (2-Lane)
1.200	25.37	2.82	0.00	76.2 (1-Lane)
1.300	13.12	3.35	0.00	90.4 (2-Lane)
1.300	15.06	3.84	0.00	103.7 (1-Lane)
1.400	5.57	2.73	0.00	73.8 (2-Lane)
1.400	6.52	3.21	0.00	86.8 (1-Lane)
1.500	3.17	3.17	0.00	85.7 (2-Lane)
1.500	3.65	3.65	0.00	98.6 (1-Lane)
1.600	2.73	5.57	0.00	73.8 (2-Lane)
1.600	3.21	6.52	0.00	86.8 (1-Lane)
1.700	3.35	13.12	0.00	90.4 (2-Lane)
1.700	3.84	15.06	0.00	103.7 (1-Lane)
1.800	2.46	22.10	0.00	66.4 (2-Lane)
1.800	2.82	25.37	0.00	76.2 (1-Lane)
1.900	2.69	77.97	0.00	72.6 (2-Lane)
1.900	3.09	89.49	0.00	83.3 (1-Lane)
1.949	1.99	186.87	0.00	53.8 (2-Lane)
1.949	2.29	214.48	0.00	61.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	169.88 R	127.73	127.02 R	95.51	166.73	95.51
1.200	443.0	70.2	296.56 R	222.98	221.75 R	166.73	213.66	166.73
1.300	581.4	92.1	380.04 R	285.75	284.17 R	213.66	243.60	213.66
1.400	664.5	105.3	433.29 R	325.78	323.99 R	243.60	250.51	243.60
1.500	692.1	109.7	445.59 R	335.03	333.18 R	250.51	243.60	250.51
1.600	664.5	105.3	433.29 R	325.78	323.99 R	243.60	213.66	243.60
1.700	581.4	92.1	380.04 R	285.75	284.17 R	213.66	166.73	213.66
1.800	443.0	70.2	296.56 R	222.98	221.75 R	166.73	95.51	166.73
1.900	249.2	39.5	169.88 R	127.73	127.02 R	95.51	0.00	95.51
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2678

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)

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1.900	65.06	999.00	19.74	999.00	0.00	532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00	712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G14			
Rating Type:		I-LEGL			
Rating Live Load:		SU5			
		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	
	1.25	1.25	1.60	1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	377.07 R	283.51	281.95 R	211.99
1.200	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.300	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.400	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.500	692.1	109.7	972.29 R	731.04	727.01 R	546.62
1.600	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.700	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.800	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.900	249.2	39.5	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G14							
Rating Type:		I-LEGL							
Rating Live Load:		SU5							
		Available Resistance for LL+I							
Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8	
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G14							
Rating Type:		I-LEGL							
Rating Live Load:		SU5							
		Moment							
Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.100	15.48	999.00	15.48	999.00	0.00	480.0 (2-Lane)			
1.100	20.71	999.00	20.71	999.00	0.00	642.0 (1-Lane)			
1.200	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)			
1.200	11.40	999.00	11.40	999.00	0.00	353.5 (1-Lane)			
1.300	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)			
1.300	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)			
1.400	5.57	999.00	5.57	999.00	0.00	172.6 (2-Lane)			

1.400	7.44	999.00	7.44	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 230.8 (1-Lane)
1.500	5.45	999.00	5.45	999.00	0.00 168.8 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00 225.8 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00 172.5 (2-Lane)
1.600	7.44	999.00	7.44	999.00	0.00 230.8 (1-Lane)
1.700	6.44	999.00	6.44	999.00	0.00 199.5 (2-Lane)
1.700	8.61	999.00	8.61	999.00	0.00 266.8 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00 264.3 (2-Lane)
1.800	11.40	999.00	11.40	999.00	0.00 353.5 (1-Lane)
1.900	15.40	999.00	15.40	999.00	0.00 477.5 (2-Lane)
1.900	20.60	999.00	20.60	999.00	0.00 638.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	78.76	59.22	68.62	51.59
1.100	43.8	6.2	74.03	55.66	64.50	48.49
1.200	29.3	4.6	64.29	48.34	56.01	42.11
1.300	19.5	3.1	54.55	41.02	47.53	35.74
1.400	9.8	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-6.2	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-13.9	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	94.4	30.6	124.9	-136.2	113.6 (2-Lane)
1.400	97.5	30.6	128.1	-139.4	116.8 (1-Lane)
1.500	56.7	48.2	105.0	-105.0	105.0 (2-Lane)
1.500	57.2	48.2	105.5	-105.5	105.5 (1-Lane)
1.600	94.4	30.6	124.9	-113.6	136.2 (2-Lane)
1.600	97.5	30.6	128.1	-116.8	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.72	0.00	53.3 (2-Lane)
1.051	213.76	1.97	0.00	61.2 (1-Lane)
1.100	77.49	2.27	0.00	70.4 (2-Lane)
1.100	88.94	2.61	0.00	80.8 (1-Lane)
1.200	22.10	2.23	0.00	69.0 (2-Lane)
1.200	25.37	2.56	0.00	79.2 (1-Lane)
1.300	12.27	3.05	0.00	94.6 (2-Lane)
1.300	14.08	3.50	0.00	108.6 (1-Lane)
1.400	5.38	2.54	0.00	78.6 (2-Lane)
1.400	6.31	2.99	0.00	92.7 (1-Lane)
1.500	2.99	2.99	0.00	92.8 (2-Lane)
1.500	3.45	3.45	0.00	107.0 (1-Lane)
1.600	2.54	5.38	0.00	78.6 (2-Lane)
1.600	2.99	6.31	0.00	92.7 (1-Lane)
1.700	3.05	12.27	0.00	94.6 (2-Lane)
1.700	3.50	14.08	0.00	108.6 (1-Lane)
1.800	2.23	22.10	0.00	69.0 (2-Lane)
1.800	2.56	25.37	0.00	79.2 (1-Lane)
1.900	2.42	77.97	0.00	75.1 (2-Lane)
1.900	2.78	89.49	0.00	86.2 (1-Lane)
1.949	1.79	186.87	0.00	55.6 (2-Lane)
1.949	2.06	214.48	0.00	63.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	188.54 R	141.76	140.97 R	106.00
1.200	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.300	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.400	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.500	692.1	109.7	486.14 R	365.52	363.51 R	273.31
1.600	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.700	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.800	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.900	249.2	39.5	188.54 R	141.76	140.97 R	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2686

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane) 1.60	(1-Lane) 1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	39.5	397.96 R		299.22	297.57 R		223.74		
1.200	443.0	70.2	717.98 R		539.83	536.86 R		403.65		
1.300	581.4	92.1	932.71 R		701.29	697.42 R		524.38		
1.400	664.5	105.3	1052.03 R		791.00	786.64 R		591.46		
1.500	692.1	109.7	1083.54 R		814.69	810.20 R		609.17		
1.600	664.5	105.3	1052.03 R		791.00	786.64 R		591.46		
1.700	581.4	92.1	932.71 R		701.29	697.42 R		524.38		
1.800	443.0	70.2	717.98 R		539.83	536.86 R		403.65		
1.900	249.2	39.5	397.96 R		299.22	297.57 R		223.74		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Positive Top	Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
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1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU6

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.67	999.00		14.67	999.00	0.00	509.9 (2-Lane)
1.100	19.62	999.00		19.62	999.00	0.00	681.9 (1-Lane)
1.200	7.78	999.00		7.78	999.00	0.00	270.3 (2-Lane)
1.200	10.40	999.00		10.40	999.00	0.00	361.4 (1-Lane)
1.300	5.82	999.00		5.82	999.00	0.00	202.1 (2-Lane)
1.300	7.78	999.00		7.78	999.00	0.00	270.2 (1-Lane)
1.400	5.06	999.00		5.06	999.00	0.00	176.0 (2-Lane)
1.400	6.77	999.00		6.77	999.00	0.00	235.3 (1-Lane)
1.500	4.89	999.00		4.89	999.00	0.00	169.8 (2-Lane)
1.500	6.53	999.00		6.53	999.00	0.00	227.1 (1-Lane)
1.600	5.06	999.00		5.06	999.00	0.00	176.0 (2-Lane)
1.600	6.77	999.00		6.77	999.00	0.00	235.3 (1-Lane)
1.700	5.82	999.00		5.82	999.00	0.00	202.1 (2-Lane)
1.700	7.78	999.00		7.78	999.00	0.00	270.2 (1-Lane)
1.800	7.78	999.00		7.78	999.00	0.00	270.3 (2-Lane)
1.800	10.40	999.00		10.40	999.00	0.00	361.4 (1-Lane)
1.900	14.60	999.00		14.60	999.00	0.00	507.2 (2-Lane)
1.900	19.52	999.00		19.52	999.00	0.00	678.3 (1-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	83.43	62.73	72.69	54.66
1.100	43.8	6.2	78.13	58.74	68.07	51.18
1.200	29.3	4.6	67.21	50.54	58.56	44.03
1.300	19.5	3.1	56.30	42.33	49.05	36.88
1.400	9.8	1.5	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.5	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-3.1	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.6	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-6.2	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-13.9	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.2	30.6	121.8	-133.1	110.5 (2-Lane)
1.400	94.7	30.6	125.3	-136.6	114.0 (1-Lane)
1.500	53.4	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	54.2	48.2	102.4	-102.4	102.4 (1-Lane)
1.600	91.2	30.6	121.8	-110.5	133.1 (2-Lane)
1.600	94.7	30.6	125.3	-114.0	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.62	0.00	56.4 (2-Lane)
1.051	316.00	1.86	0.00	64.7 (1-Lane)
1.100	131.03	2.15	0.00	74.7 (2-Lane)
1.100	150.39	2.47	0.00	85.8 (1-Lane)
1.200	27.93	2.13	0.00	74.0 (2-Lane)
1.200	32.06	2.44	0.00	84.9 (1-Lane)
1.300	13.67	2.96	0.00	102.8 (2-Lane)
1.300	15.69	3.39	0.00	118.0 (1-Lane)
1.400	5.41	2.43	0.00	84.6 (2-Lane)
1.400	6.37	2.88	0.00	100.2 (1-Lane)
1.500	2.95	2.95	0.00	102.5 (2-Lane)
1.500	3.41	3.41	0.00	118.5 (1-Lane)
1.600	2.43	5.41	0.00	84.6 (2-Lane)
1.600	2.88	6.38	0.00	100.2 (1-Lane)
1.700	2.96	13.67	0.00	102.8 (2-Lane)
1.700	3.39	15.69	0.00	118.0 (1-Lane)
1.800	2.13	27.93	0.00	74.0 (2-Lane)
1.800	2.44	32.06	0.00	84.9 (1-Lane)
1.900	2.30	131.85	0.00	79.8 (2-Lane)
1.900	2.63	151.32	0.00	91.5 (1-Lane)
1.949	1.69	276.24	0.00	58.8 (2-Lane)
1.949	1.94	317.06	0.00	67.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2694

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LG
Rating Live Load: SU6Gamma DC DW (2-Lane) (1-Lane)
LL LL

1.00 1.00 0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	39.5	198.98 R	149.61	148.79 R		111.87	
1.200	443.0	70.2	358.99 R	269.92	268.43 R		201.83	
1.300	581.4	92.1	466.36 R	350.64	348.71 R		262.19	
1.400	664.5	105.3	526.02 R	395.50	393.32 R		295.73	
1.500	692.1	109.7	541.77 R	407.35	405.10 R		304.59	
1.600	664.5	105.3	526.02 R	395.50	393.32 R		295.73	
1.700	581.4	92.1	466.36 R	350.64	348.71 R		262.19	
1.800	443.0	70.2	358.99 R	269.92	268.43 R		201.83	
1.900	249.2	39.5	198.98 R	149.61	148.79 R		111.87	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2694

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU6

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2695

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5 (2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2696

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	1.60	1.60	1.60	1.60
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	416.40 R		313.08	311.35 R		234.10
1.200	443.0	70.2	751.06 R		564.71	561.60 R		422.25
1.300	581.4	92.1	1004.00 R		754.88	750.72 R		564.45
1.400	664.5	105.3	1135.75 R		853.95	849.24 R		638.53
1.500	692.1	109.7	1175.91 R		884.14	879.27 R		661.11
1.600	664.5	105.3	1135.75 R		853.95	849.24 R		638.53
1.700	581.4	92.1	1004.00 R		754.88	750.72 R		564.45
1.800	443.0	70.2	751.06 R		564.71	561.60 R		422.25
1.900	249.2	39.5	416.40 R		313.08	311.35 R		234.10
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2697

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2698

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	bottom fiber +bend	Rating fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.02	999.00	14.02	999.00	0.00	543.4 (2-Lane)
1.100	18.75	999.00	18.75	999.00	0.00	726.7 (1-Lane)
1.200	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.300	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.300	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.400	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.400	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.500	4.50	999.00	4.50	999.00	0.00	174.5 (2-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	233.4 (1-Lane)
1.600	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.600	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)

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1.700	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.700	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.800	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.900	13.95	999.00	13.95	999.00	0.00	540.5 (2-Lane)
1.900	18.66	999.00	18.66	999.00	0.00	722.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2699

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU7

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.60		1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	87.66	65.91	76.38	57.43
1.100	43.8	6.2	81.75	61.46	71.22	53.55
1.200	29.3	4.6	69.57	52.31	60.62	45.58
1.300	19.5	3.1	57.40	43.16	50.01	37.60
1.400	9.8	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-6.2	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-13.9	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2700

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU7

		Shear Resistance		Available Resistance for LL+I	
		Vc	Vs Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.9	30.6	118.5	-129.8	107.2 (2-Lane)
1.400	91.7	30.6	122.3	-133.6	111.0 (1-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	51.4	48.2	99.7	-99.7	99.7 (1-Lane)
1.600	87.9	30.6	118.5	-107.2	129.8 (2-Lane)
1.600	91.7	30.6	122.3	-111.0	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2701

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: I-LEGL
Rating Live Load: SU7

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.54	0.00	59.9 (2-Lane)
1.051	316.00	1.77	0.00	68.7 (1-Lane)
1.100	148.41	2.06	0.00	79.6 (2-Lane)
1.100	170.33	2.36	0.00	91.4 (1-Lane)
1.200	36.88	2.06	0.00	79.7 (2-Lane)
1.200	42.33	2.36	0.00	91.5 (1-Lane)
1.300	15.68	2.90	0.00	112.4 (2-Lane)
1.300	18.00	3.33	0.00	129.0 (1-Lane)
1.400	5.59	2.37	0.00	91.9 (2-Lane)
1.400	6.61	2.82	0.00	109.1 (1-Lane)
1.500	2.94	2.94	0.00	114.0 (2-Lane)
1.500	3.41	3.41	0.00	132.0 (1-Lane)
1.600	2.37	5.59	0.00	91.9 (2-Lane)
1.600	2.82	6.61	0.00	109.1 (1-Lane)
1.700	2.90	15.68	0.00	112.4 (2-Lane)
1.700	3.33	18.00	0.00	129.0 (1-Lane)
1.800	2.06	36.88	0.00	79.7 (2-Lane)
1.800	2.36	42.33	0.00	91.5 (1-Lane)
1.900	2.19	149.33	0.00	85.0 (2-Lane)
1.900	2.52	171.39	0.00	97.6 (1-Lane)
1.949	1.61	276.24	0.00	62.4 (2-Lane)
1.949	1.85	317.06	0.00	71.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2702

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05
1.200	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.300	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.400	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.500	692.1	109.7	587.96 R	442.07	439.63 R	330.55
1.600	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.700	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.800	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.900	249.2	39.5	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2702

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G14

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01 9999999_20120831cy17_FlexuralRpt.txt

Member I. D. G14

Rating Type: III-LGL S

Rating Live Load: SU7

Span	Service				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0 (1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2 (2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7 (1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0 (2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2703

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS

Year of Construction 1963

Roadway Width 55.500

Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000

System Factor: 1.000

ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.662	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G15 01-IG015

Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span	Range	Range	Section	Section	Section	Hinge Location
------	-------	-------	---------	---------	---------	----------------

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No.	No.	Length	Left	Right	Variation	No. 1	No. 2
1	1	56.786	1	0		0.0	0.0

Range Length -- Composite:
Span Range Range Composite
No. No. Length Code

1 1 56.786 C

Span	Load	Dist. from	Distributed Load (lbs/ft)		Concentrated
No.	Type	Left Supp.	Left	Right	Load (kips)
1	W	0.000	217.7	217.7	0.0
1	Z	0.000	169.9	169.9	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2703

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Span	Sect.	Top	Top	Top	Web	Bott.	Bott.	Bott.	Void	Prestress
	Height	Flg.	Flg.	Flg.	Thk.	Flg.	Flg.	Flg.	Area	Strands
		Width	Thk.	Thk.		Thk.	Thk.	Width	Dy	Area Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00 6.9 6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Span	Sect.	Neutral Axis	Moment	Section Modulus	Ecc	Prestressing Force
	Area	Top Bott.	of Top Bott.	Top Bott.		Fi Total Ff
			Inertia			
1.000	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 532.8 761.4
1.051	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 523.6 770.6
1.100	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 515.2 779.0
1.200	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 498.9 795.3
1.300	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 488.3 805.9
1.400	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 481.9 812.3
1.500	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 479.8 814.4
1.600	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 481.9 812.3
1.700	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 488.3 805.9
1.800	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 498.9 795.3
1.900	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 513.7 780.5
1.949	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 522.8 771.4
2.000	559.5	24.70 20.30	125390.4	5071.1	6185.0 14.19	1294.2 532.8 761.4

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2705

SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Span	Neutral Axis	Moment of Inertia	Section Modulus
	Top Bott.	+Bend (n=n) +Bend (n=3n)	+Bend (n=n) +Bend (n=3n)
		Top Bott.	Top Bott.
1.000	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.051	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.100	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.200	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.300	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.400	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.500	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.600	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.700	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.800	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.900	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
1.949	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6
2.000	11.30 33.70	374993.6 242400.3	33108.6 11136.0 13153.4 9122.6

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2705

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area Dy	
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2706

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: HL93

Rating Live Load:			(2-Lane)				(1-Lane)			
Gamma	DC	DW	LL		LL		LL		LL	
	1.25	1.25	1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2707

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.1 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.3 (1-Lane)
1.200	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.200	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.300	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.300	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.400	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	132.2 (2-Lane)
1.500	4.91	999.00	4.91	999.00	0.00	176.7 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.600	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.700	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.700	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.800	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.800	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.900	10.17	999.00	10.17	999.00	0.00	366.2 (2-Lane)
1.900	13.60	999.00	13.60	999.00	0.00	489.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2709

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	118.11	0.00	94.04	0.00	102.90	0.00	81.94
1.100	43.8	6.2	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	29.3	4.6	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	19.5	3.1	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	9.8	1.5	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-9.8	-1.5	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-19.5	-3.1	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-29.3	-4.6	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-39.0	-6.2	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.949	-43.7	-13.9	-118.11	0.00	-94.04	0.00	-102.90	0.00	-81.94
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.9	30.6	127.5	-138.8	116.2 (2-Lane)
1.400	101.9	30.6	132.5	-143.8	121.2 (1-Lane)
1.500	59.7	48.2	108.0	-108.0	108.0 (2-Lane)
1.500	61.6	48.2	109.8	-109.8	109.8 (1-Lane)
1.600	96.9	30.6	127.5	-116.2	138.8 (2-Lane)
1.600	101.9	30.6	132.5	-121.2	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)

1.949 67.0 131.9 198.8 -141.2 9999999_20120831cy17_FlexuralRpt.txt 256.4 (2-Lane)
1.949 67.0 131.9 198.8 -141.2 256.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.15	0.00	41.3 (2-Lane)
1.051	103.83	1.32	0.00	47.4 (1-Lane)
1.100	48.17	1.53	0.00	55.0 (2-Lane)
1.100	55.29	1.75	0.00	63.1 (1-Lane)
1.200	13.98	1.53	0.00	55.0 (2-Lane)
1.200	16.04	1.75	0.00	63.2 (1-Lane)
1.300	8.52	2.14	0.00	77.1 (2-Lane)
1.300	9.78	2.46	0.00	88.5 (1-Lane)
1.400	3.96	1.87	0.00	67.1 (2-Lane)
1.400	4.70	2.23	0.00	80.3 (1-Lane)
1.500	2.28	2.28	0.00	82.0 (2-Lane)
1.500	2.66	2.66	0.00	95.8 (1-Lane)
1.600	1.87	3.96	0.00	67.1 (2-Lane)
1.600	2.23	4.70	0.00	80.3 (1-Lane)
1.700	2.14	8.52	0.00	77.1 (2-Lane)
1.700	2.46	9.78	0.00	88.5 (1-Lane)
1.800	1.53	13.98	0.00	55.0 (2-Lane)
1.800	1.75	16.04	0.00	63.2 (1-Lane)
1.900	1.63	46.51	0.00	58.7 (2-Lane)
1.900	1.87	53.38	0.00	67.4 (1-Lane)
1.949	1.20	88.82	0.00	43.0 (2-Lane)
1.949	1.37	101.94	0.00	49.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2712

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN

Rating Live Load: HL93

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2712

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HL93

Rating Live Load: Service Resistance

Available Resistance for LL+I

	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2713

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S

Rating Live Load: HL93

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.58	999.00	12.96	999.00	0.00	466.5 (2-Lane)
1.100	56.94	999.00	17.33	999.00	0.00	623.9 (1-Lane)
1.200	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.200	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.300	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.300	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.400	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.400	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.500	13.55	999.00	4.12	999.00	0.00	148.5 (2-Lane)
1.500	18.12	999.00	5.52	999.00	0.00	198.6 (1-Lane)
1.600	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.600	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.700	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.700	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.800	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.800	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.900	42.34	999.00	12.84	999.00	0.00	462.4 (2-Lane)
1.900	56.62	999.00	17.18	999.00	0.00	618.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2714

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: HS20

Rating Live Load		DC		(2-Lane)		(1-Lane)				
Gamma		DC	DW	LL	LL	LL	LL			
		1.25	1.25	1.75	1.75	1.75	1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	443.0	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	581.4	92.1	1012.32 R	0.00	761.14	0.00	756.14 R	0.00	569.13	0.00
1.400	664.5	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	692.1	109.7	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	664.5	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	581.4	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	443.0	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	249.2	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
 Rating Live Load: HS20

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
 Rating Live Load: HS20

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	12.60	999.00	12.60	999.00	251.99	453.6 (2-Lane)
1.100	16.85	999.00	16.85	999.00	337.01	606.6 (1-Lane)
1.200	6.97	999.00	6.97	999.00	139.44	251.0 (2-Lane)
1.200	9.32	999.00	9.32	999.00	186.48	335.7 (1-Lane)
1.300	5.36	999.00	5.36	999.00	107.15	192.9 (2-Lane)
1.300	7.16	999.00	7.16	999.00	143.30	257.9 (1-Lane)
1.400	4.70	999.00	4.70	999.00	94.10	169.4 (2-Lane)
1.400	6.29	999.00	6.29	999.00	125.84	226.5 (1-Lane)
1.500	4.63	999.00	4.63	999.00	92.61	166.7 (2-Lane)
1.500	6.19	999.00	6.19	999.00	123.86	222.9 (1-Lane)
1.600	4.70	999.00	4.70	999.00	94.10	169.4 (2-Lane)
1.600	6.29	999.00	6.29	999.00	125.84	226.5 (1-Lane)
1.700	5.36	999.00	5.36	999.00	107.15	192.9 (2-Lane)
1.700	7.16	999.00	7.16	999.00	143.30	257.9 (1-Lane)
1.800	6.97	999.00	6.97	999.00	139.44	251.0 (2-Lane)
1.800	9.32	999.00	9.32	999.00	186.48	335.7 (1-Lane)
1.900	12.53	999.00	12.53	999.00	250.66	451.2 (2-Lane)
1.900	16.76	999.00	16.76	999.00	335.23	603.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
 Rating Live Load: HS20

Rating Live Load:		HS20		(2-Lane)		(1-Lane)	
Gamma	DC	DW		LL		LL	
	1.25	1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00

9999999_20120831cy17_FlexuralRpt.txt									
1.051	46.2	6.9	96.99	0.00	72.93	0.00	84.51	0.00	63.54
1.100	43.8	6.2	90.98	0.00	68.41	0.00	79.27	0.00	59.60
1.200	29.3	4.6	78.61	0.00	59.11	0.00	68.49	0.00	51.50
1.300	19.5	3.1	66.24	0.00	49.81	0.00	57.72	0.00	43.40
1.400	9.8	1.5	53.88	0.00	40.51	0.00	46.94	0.00	35.29
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19
1.600	-9.8	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29
1.700	-19.5	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40
1.800	-29.3	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50
1.900	-39.0	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60
1.949	-43.7	-13.9	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-INV

Rating Live Load:

HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	98.4	30.6	128.9	-140.2	117.7 (2-Lane)
1.400	102.4	30.6	132.9	-144.2	121.7 (1-Lane)
1.500	60.2	48.2	108.5	-108.5	108.5 (2-Lane)
1.500	61.3	48.2	109.6	-109.6	109.6 (1-Lane)
1.600	98.4	30.6	129.0	-117.7	140.2 (2-Lane)
1.600	102.4	30.6	133.0	-121.7	144.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-INV

Rating Live Load:

HS20

Shear					
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	90.46	1.40	27.92	50.3	(2-Lane)
1.051	103.83	1.60	32.05	57.7	(1-Lane)
1.100	48.76	1.85	36.93	66.5	(2-Lane)
1.100	55.97	2.12	42.39	76.3	(1-Lane)
1.200	19.18	1.82	36.42	65.5	(2-Lane)
1.200	22.02	2.09	41.80	75.2	(1-Lane)
1.300	10.90	2.51	50.27	90.5	(2-Lane)
1.300	12.51	2.88	57.70	103.9	(1-Lane)
1.400	4.61	2.18	43.67	78.6	(2-Lane)
1.400	5.44	2.59	51.83	93.3	(1-Lane)
1.500	2.61	2.61	52.26	94.1	(2-Lane)
1.500	3.03	3.03	60.59	109.1	(1-Lane)
1.600	2.18	4.61	43.68	78.6	(2-Lane)
1.600	2.59	5.44	51.83	93.3	(1-Lane)
1.700	2.51	10.90	50.27	90.5	(2-Lane)
1.700	2.88	12.51	57.70	103.9	(1-Lane)
1.800	1.82	19.18	36.42	65.5	(2-Lane)
1.800	2.09	22.02	41.80	75.2	(1-Lane)
1.900	1.97	49.06	39.42	71.0	(2-Lane)
1.900	2.26	56.31	45.24	81.4	(1-Lane)
1.949	1.46	90.77	29.12	52.4	(2-Lane)
1.949	1.67	104.18	33.42	60.2	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2720

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2720

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2721

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S

Rating Live Load: HS20

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.46	999.00	15.97	999.00	319.35	574.8 (2-Lane)
1.100	70.16	999.00	21.35	999.00	427.09	768.8 (1-Lane)
1.200	27.66	999.00	8.40	999.00	168.02	302.4 (2-Lane)
1.200	36.99	999.00	11.24	999.00	224.71	404.5 (1-Lane)
1.300	20.45	999.00	6.22	999.00	124.38	223.9 (2-Lane)
1.300	27.35	999.00	8.32	999.00	166.34	299.4 (1-Lane)
1.400	17.51	999.00	5.33	999.00	106.62	191.9 (2-Lane)
1.400	23.42	999.00	7.13	999.00	142.59	256.7 (1-Lane)
1.500	17.09	999.00	5.20	999.00	104.06	187.3 (2-Lane)
1.500	22.85	999.00	6.96	999.00	139.16	250.5 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt						
1.600	17.51	999.00	5.33	999.00	106.62	191.9 (2-Lane)
1.600	23.42	999.00	7.13	999.00	142.59	256.7 (1-Lane)
1.700	20.45	999.00	6.22	999.00	124.38	223.9 (2-Lane)
1.700	27.35	999.00	8.32	999.00	166.34	299.4 (1-Lane)
1.800	27.66	999.00	8.40	999.00	168.02	302.4 (2-Lane)
1.800	36.99	999.00	11.24	999.00	224.71	404.5 (1-Lane)
1.900	52.17	999.00	15.83	999.00	316.51	569.7 (2-Lane)
1.900	69.77	999.00	21.17	999.00	423.29	761.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2722

MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01								
Member I. D.		G15								
Rating Type:		I-INV								
Rating Live Load:		3								
Gamma										
DC		LL								
1.25		1.75								
DW		LL								
1.25		1.75								
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2723

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G15							
Rating Type:		I-INV							
Rating Live Load:		3							
Span		Moment Resistance				Available Resistance for LL+I			
Positive		Bending	Negative	Bending	Positive Bending		Negative Bending	Positive Bending	
Top		Bott.	Top	Bott.	Top	Bott.	Top	Bott.	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8	
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2724

MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G15							
Rating Type:		I-INV							
Rating Live Load:		3							
		Moment							
Span		Rating	Factor	bottom	Rating	Load			
top		fiber		fiber	Value	Resistance			
+bend		-bend	+bend	-bend		(tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.100	17.36	999.00	17.36	999.00	0.00	433.9 (2-Lane)			

1.100	23.21	999.00	23.21	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 580.3 (1-Lane)
1.200	9.54	999.00	9.54	999.00	0.00 238.5 (2-Lane)
1.200	12.76	999.00	12.76	999.00	0.00 318.9 (1-Lane)
1.300	7.26	999.00	7.26	999.00	0.00 181.6 (2-Lane)
1.300	9.71	999.00	9.71	999.00	0.00 242.8 (1-Lane)
1.400	6.35	999.00	6.35	999.00	0.00 158.7 (2-Lane)
1.400	8.49	999.00	8.49	999.00	0.00 212.2 (1-Lane)
1.500	6.18	999.00	6.18	999.00	0.00 154.6 (2-Lane)
1.500	8.27	999.00	8.27	999.00	0.00 206.7 (1-Lane)
1.600	6.35	999.00	6.35	999.00	0.00 158.7 (2-Lane)
1.600	8.49	999.00	8.49	999.00	0.00 212.2 (1-Lane)
1.700	7.26	999.00	7.26	999.00	0.00 181.6 (2-Lane)
1.700	9.71	999.00	9.71	999.00	0.00 242.8 (1-Lane)
1.800	9.54	999.00	9.54	999.00	0.00 238.5 (2-Lane)
1.800	12.76	999.00	12.76	999.00	0.00 318.9 (1-Lane)
1.900	17.26	999.00	17.26	999.00	0.00 431.6 (2-Lane)
1.900	23.09	999.00	23.09	999.00	0.00 577.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2725
SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G15
Rating Type:	I-INV
Rating Live Load:	3
Gamma	DC
	DW
	LL
	1.25
	1.25
	1.75
	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.22	0.00	52.80	0.00	61.18	0.00
1.100	43.8	6.2	66.04	0.00	49.66	0.00	57.54	0.00
1.200	29.3	4.6	57.46	0.00	43.20	0.00	50.06	0.00
1.300	19.5	3.1	48.87	0.00	36.74	0.00	42.58	0.00
1.400	9.8	1.5	40.28	0.00	30.28	0.00	35.09	0.00
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00
1.600	-9.8	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00
1.700	-19.5	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00
1.800	-29.3	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00
1.900	-39.0	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00
1.949	-43.7	-13.9	-70.22	0.00	-52.80	0.00	-61.18	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2726
STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D.	G15
Rating Type:	I-INV
Rating Live Load:	3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.4	30.6	123.9	-135.2	112.6 (2-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (1-Lane)
1.500	55.3	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (1-Lane)
1.600	93.4	30.6	123.9	-112.6	135.2 (2-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.93	0.00	48.2 (2-Lane)
1.051	195.44	2.21	0.00	55.3 (1-Lane)
1.100	70.85	2.54	0.00	63.6 (2-Lane)
1.100	81.31	2.92	0.00	73.0 (1-Lane)
1.200	21.92	2.49	0.00	62.3 (2-Lane)
1.200	25.15	2.86	0.00	71.5 (1-Lane)
1.300	13.69	3.41	0.00	85.2 (2-Lane)
1.300	15.71	3.91	0.00	97.8 (1-Lane)
1.400	5.85	2.80	0.00	69.9 (2-Lane)
1.400	6.85	3.28	0.00	82.1 (1-Lane)
1.500	3.27	3.27	0.00	81.6 (2-Lane)
1.500	3.75	3.75	0.00	93.8 (1-Lane)
1.600	2.80	5.85	0.00	69.9 (2-Lane)
1.600	3.28	6.85	0.00	82.1 (1-Lane)
1.700	3.41	13.69	0.00	85.2 (2-Lane)
1.700	3.91	15.71	0.00	97.8 (1-Lane)
1.800	2.49	21.92	0.00	62.3 (2-Lane)
1.800	2.86	25.15	0.00	71.5 (1-Lane)
1.900	2.71	71.29	0.00	67.9 (2-Lane)
1.900	3.12	81.82	0.00	77.9 (1-Lane)
1.949	2.01	170.85	0.00	50.3 (2-Lane)
1.949	2.31	196.10	0.00	57.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2728

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8

1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.75	LL	1.75
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00 R
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00 R
1.200	443.0	70.2	654.01 R	0.00	491.74	0.00 R
1.300	581.4	92.1	856.08 R	0.00	643.67	0.00 R
1.400	664.5	105.3	947.74 R	0.00	712.58	0.00 R
1.500	692.1	109.7	930.21 R	0.00	699.41	0.00 R
1.600	664.5	105.3	947.74 R	0.00	712.58	0.00 R
1.700	581.4	92.1	856.08 R	0.00	643.67	0.00 R
1.800	443.0	70.2	654.01 R	0.00	491.74	0.00 R
1.900	249.2	39.5	397.00 R	0.00	298.50	0.00 R
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00 R
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.71	999.00	14.71	999.00	0.00	588.3 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	786.8 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.200	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.500	5.69	999.00	5.69	999.00	0.00	227.7 (2-Lane)
1.500	7.61	999.00	7.61	999.00	0.00	304.5 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.800	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.900	14.63	999.00	14.63	999.00	0.00	585.2 (2-Lane)
1.900	19.57	999.00	19.57	999.00	0.00	782.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3S2

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	67.45	0.00	50.72	0.00	58.77	0.00	44.19	0.00
1.100	43.8	6.2	77.94	0.00	58.60	0.00	67.91	0.00	51.06	0.00
1.200	29.3	4.6	64.20	0.00	48.27	0.00	55.93	0.00	42.05	0.00
1.300	19.5	3.1	50.91	0.00	38.28	0.00	44.36	0.00	33.35	0.00
1.400	9.8	1.5	39.54	0.00	29.73	0.00	34.45	0.00	25.90	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00	18.59	0.00
1.600	-9.8	-1.5	-39.54	0.00	-29.73	0.00	-34.45	0.00	-25.90	0.00
1.700	-19.5	-3.1	-50.91	0.00	-38.28	0.00	-44.36	0.00	-33.35	0.00

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1.800	-29.3	-4.6	-64.20	0.00	-48.27	0.00	-55.93	0.00	-42.05
1.900	-39.0	-6.2	-77.94	0.00	-58.60	0.00	-67.91	0.00	-51.06
1.949	-43.7	-13.9	-84.62	0.00	-63.62	0.00	-73.72	0.00	-55.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-INV

Rating Live Load:

3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.8	30.6	118.4	-129.7	107.1 (2-Lane)
1.400	90.8	30.6	121.4	-132.7	110.1 (1-Lane)
1.500	49.2	48.2	97.4	-97.4	97.4 (2-Lane)
1.500	49.5	48.2	97.7	-97.7	97.7 (1-Lane)
1.600	87.8	30.6	118.4	-107.1	129.7 (2-Lane)
1.600	90.8	30.6	121.4	-110.1	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-INV

Rating Live Load:

3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	2.01	0.00	80.3 (2-Lane)
1.051	195.44	2.30	0.00	92.2 (1-Lane)
1.100	70.85	2.16	0.00	86.2 (2-Lane)
1.100	81.31	2.47	0.00	99.0 (1-Lane)
1.200	21.92	2.23	0.00	89.2 (2-Lane)
1.200	25.15	2.56	0.00	102.4 (1-Lane)
1.300	13.69	3.27	0.00	130.8 (2-Lane)
1.300	15.71	3.75	0.00	150.2 (1-Lane)
1.400	6.09	2.71	0.00	108.3 (2-Lane)
1.400	7.15	3.20	0.00	127.9 (1-Lane)
1.500	3.43	3.43	0.00	137.3 (2-Lane)
1.500	3.95	3.95	0.00	158.1 (1-Lane)
1.600	2.71	6.09	0.00	108.3 (2-Lane)
1.600	3.20	7.15	0.00	127.9 (1-Lane)
1.700	3.27	13.69	0.00	130.8 (2-Lane)
1.700	3.75	15.71	0.00	150.2 (1-Lane)
1.800	2.23	21.92	0.00	89.2 (2-Lane)
1.800	2.56	25.15	0.00	102.4 (1-Lane)
1.900	2.30	71.29	0.00	92.0 (2-Lane)
1.900	2.64	81.82	0.00	105.6 (1-Lane)
1.949	1.67	170.85	0.00	66.8 (2-Lane)
1.949	1.92	196.10	0.00	76.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- ASD/LFD/LRFD v5.00.06.09

PAGE 2736

SERVICE MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	56.2	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2736

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2737

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S

Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)

1.900	60.90	999.00	18.47	999.00	0.00	738.9	(2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2738

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane) 1.75	(1-Lane) 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2739

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3-3

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2740

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	Rating top +bend	Factor fiber -bend	bottom fiber +bend	-bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.14	999.00	17.14	999.00	0.00	685.5 (2-Lane)
1.100	22.92	999.00	22.92	999.00	0.00	916.8 (1-Lane)
1.200	9.93	999.00	9.93	999.00	0.00	397.1 (2-Lane)
1.200	13.28	999.00	13.28	999.00	0.00	531.1 (1-Lane)
1.300	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.300	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.400	7.20	999.00	7.20	999.00	0.00 287.9 (2-Lane)
1.400	9.63	999.00	9.63	999.00	0.00 385.0 (1-Lane)
1.500	6.75	999.00	6.75	999.00	0.00 269.9 (2-Lane)
1.500	9.02	999.00	9.02	999.00	0.00 360.9 (1-Lane)
1.600	7.20	999.00	7.20	999.00	0.00 287.9 (2-Lane)
1.600	9.63	999.00	9.63	999.00	0.00 385.0 (1-Lane)
1.700	7.70	999.00	7.70	999.00	0.00 307.9 (2-Lane)
1.700	10.29	999.00	10.29	999.00	0.00 411.7 (1-Lane)
1.800	9.93	999.00	9.93	999.00	0.00 397.1 (2-Lane)
1.800	13.28	999.00	13.28	999.00	0.00 531.1 (1-Lane)
1.900	17.05	999.00	17.05	999.00	0.00 681.9 (2-Lane)
1.900	22.80	999.00	22.80	999.00	0.00 911.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2741
 SHEAR REPORT

9999999_20120831cy17_01of01										
Member I. D. G15										
Rating Type: I-INV										
Rating Live Load: 3-3										
Gamma			(2-Lane)			(1-Lane)				
DC			LL			LL				
1.25			1.75			1.75				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.051	46.2	6.9	72.57	0.00	54.56	0.00	63.22	0.00	47.54	0.00
1.100	43.8	6.2	66.89	0.00	50.29	0.00	58.28	0.00	43.82	0.00
1.200	29.3	4.6	55.21	0.00	41.51	0.00	48.10	0.00	36.17	0.00
1.300	19.5	3.1	43.53	0.00	32.73	0.00	37.92	0.00	28.51	0.00
1.400	9.8	1.5	33.97	0.00	25.54	0.00	29.60	0.00	22.26	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30	0.00
1.600	-9.8	-1.5	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26	0.00
1.700	-19.5	-3.1	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51	0.00
1.800	-29.3	-4.6	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17	0.00
1.900	-39.0	-6.2	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82	0.00
1.949	-43.7	-13.9	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2742
 STRENGTH SHEAR RESISTANCE REPORT

9999999_20120831cy17_01of01					
Member I. D. G15					
Rating Type: I-INV					
Rating Live Load: 3-3					
		Shear Resistance		Available Resistance for LL+I	
		Vc	Vs Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.7	30.6	119.2	-130.5	107.9 (2-Lane)
1.400	90.8	30.6	121.3	-132.6	110.0 (1-Lane)
1.500	49.8	48.2	98.0	-98.0	98.0 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.7	30.6	119.2	-108.0	130.5 (2-Lane)
1.600	90.8	30.6	121.3	-110.0	132.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2743
 STRENGTH SHEAR RESISTANCE RATING REPORT

9999999_20120831cy17_01of01	
Member I. D. G15	
Rating Type: I-INV	

Page 1111

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	206.77	1.87	0.00	74.6 (2-Lane)
1.051	237.32	2.14	0.00	85.7 (1-Lane)
1.100	86.03	2.51	0.00	100.5 (2-Lane)
1.100	98.74	2.88	0.00	115.3 (1-Lane)
1.200	26.61	2.59	0.00	103.7 (2-Lane)
1.200	30.55	2.98	0.00	119.0 (1-Lane)
1.300	16.62	3.83	0.00	153.0 (2-Lane)
1.300	19.08	4.39	0.00	175.6 (1-Lane)
1.400	6.92	3.18	0.00	127.1 (2-Lane)
1.400	8.07	3.72	0.00	148.7 (1-Lane)
1.500	3.71	3.71	0.00	148.4 (2-Lane)
1.500	4.25	4.25	0.00	170.0 (1-Lane)
1.600	3.18	6.92	0.00	127.1 (2-Lane)
1.600	3.72	8.07	0.00	148.7 (1-Lane)
1.700	3.83	16.62	0.00	153.0 (2-Lane)
1.700	4.39	19.08	0.00	175.6 (1-Lane)
1.800	2.59	26.61	0.00	103.7 (2-Lane)
1.800	2.98	30.55	0.00	119.0 (1-Lane)
1.900	2.68	86.56	0.00	107.2 (2-Lane)
1.900	3.08	99.35	0.00	123.1 (1-Lane)
1.949	1.95	207.47	0.00	77.8 (2-Lane)
1.949	2.23	238.12	0.00	89.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2744

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
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1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2

2.000 4.4 4.0 -4.4 -4.0 4.4 4.0 -4.4 -4.0 9999999_20120831cy17_FlexuralRpt.txt

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2745

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S

Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75				(1-Lane) LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	
1.200	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	
1.300	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	
1.400	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	
1.500	692.1	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00	548.00	
1.600	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	
1.700	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	
1.800	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	
1.900	249.2	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: SU4

Span	Moment Positive	Resistance Bending	Negative Bending	Available Resistance for LL+I Positive Bending	Negative Bending
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	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.71	999.00	15.71	999.00	0.00	424.2 (2-Lane)
1.100	21.01	999.00	21.01	999.00	0.00	567.4 (1-Lane)
1.200	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.200	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.300	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.300	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.500	5.43	999.00	5.43	999.00	0.00	146.7 (2-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	196.2 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.700	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.700	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.800	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.800	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.900	15.63	999.00	15.63	999.00	0.00	422.0 (2-Lane)
1.900	20.90	999.00	20.90	999.00	0.00	564.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75	(1-Lane) LL 1.75		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	77.46	0.00	58.24	0.00
1.100	43.8	6.2	72.95	0.00	54.85	0.00
1.200	29.3	4.6	63.68	0.00	47.88	0.00
1.300	19.5	3.1	54.40	0.00	40.90	0.00
1.400	9.8	1.5	45.13	0.00	33.93	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00
1.600	-9.8	-1.5	-45.13	0.00	-33.93	0.00
1.700	-19.5	-3.1	-54.40	0.00	-40.90	0.00
1.800	-29.3	-4.6	-63.68	0.00	-47.88	0.00
1.900	-39.0	-6.2	-72.95	0.00	-54.85	0.00
1.949	-43.7	-13.9	-77.46	0.00	-58.24	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2750

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
Rating Type: I-INV
Rating Live Load: SU4

	Shear Vc	Resistance Vs	Vn	Available Resistance for LL+I	
				(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	95.2	30.6	125.7	-137.0	114.4 (2-Lane)
1.400	98.3	30.6	128.9	-140.2	117.6 (1-Lane)
1.500	57.6	48.2	105.9	-105.9	105.9 (2-Lane)
1.500	58.2	48.2	106.4	-106.4	106.4 (1-Lane)
1.600	95.2	30.6	125.7	-114.5	137.0 (2-Lane)
1.600	98.3	30.6	128.9	-117.6	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2751

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
Rating Type: I-INV
Rating Live Load: SU4

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
Shear				
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.75	0.00	47.2 (2-Lane)
1.051	195.44	2.01	0.00	54.2 (1-Lane)
1.100	70.85	2.30	0.00	62.2 (2-Lane)
1.100	81.31	2.64	0.00	71.4 (1-Lane)
1.200	20.21	2.25	0.00	60.7 (2-Lane)
1.200	23.20	2.58	0.00	69.7 (1-Lane)
1.300	11.99	3.06	0.00	82.6 (2-Lane)
1.300	13.77	3.51	0.00	94.8 (1-Lane)
1.400	5.16	2.54	0.00	68.5 (2-Lane)
1.400	6.05	2.99	0.00	80.7 (1-Lane)
1.500	2.95	2.95	0.00	79.7 (2-Lane)
1.500	3.41	3.41	0.00	92.0 (1-Lane)
1.600	2.54	5.16	0.00	68.5 (2-Lane)
1.600	2.99	6.05	0.00	80.7 (1-Lane)
1.700	3.06	11.99	0.00	82.6 (2-Lane)
1.700	3.51	13.77	0.00	94.8 (1-Lane)
1.800	2.25	20.21	0.00	60.7 (2-Lane)
1.800	2.58	23.20	0.00	69.7 (1-Lane)
1.900	2.46	71.29	0.00	66.4 (2-Lane)
1.900	2.82	81.82	0.00	76.2 (1-Lane)
1.949	1.82	170.85	0.00	49.2 (2-Lane)
1.949	2.09	196.10	0.00	56.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2752

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
Rating Type: III-IN
Rating Live Load: SU4

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	553.7	87.8	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	199.3	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2752

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU4

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00	532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00	712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2754

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU5

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2755

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.16	999.00	14.16	999.00	0.00	438.9 (2-Lane)
1.100	18.93	999.00	18.93	999.00	0.00	587.0 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.200	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.300	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.300	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.400	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.400	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.500	4.98	999.00	4.98	999.00	0.00	154.4 (2-Lane)
1.500	6.66	999.00	6.66	999.00	0.00	206.4 (1-Lane)
1.600	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.600	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)

1.700	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.700	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.800	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.900	14.08	999.00	14.08	999.00	0.00	436.6 (2-Lane)
1.900	18.83	999.00	18.83	999.00	0.00	583.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2757

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	86.14	0.00	64.77	0.00
1.100	43.8	6.2	80.96	0.00	60.88	0.00
1.200	29.3	4.6	70.32	0.00	52.87	0.00
1.300	19.5	3.1	59.67	0.00	44.86	0.00
1.400	9.8	1.5	49.02	0.00	36.85	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00
1.600	-9.8	-1.5	-49.02	0.00	-36.85	0.00
1.700	-19.5	-3.1	-59.67	0.00	-44.86	0.00
1.800	-29.3	-4.6	-70.32	0.00	-52.87	0.00
1.900	-39.0	-6.2	-80.96	0.00	-60.88	0.00
1.949	-43.7	-13.9	-86.14	0.00	-64.77	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (2-Lane)
1.400	99.5	30.6	130.1	-141.4	118.8 (1-Lane)
1.500	58.5	48.2	106.8	-106.8	106.8 (2-Lane)
1.500	59.3	48.2	107.6	-107.6	107.6 (1-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (2-Lane)
1.600	99.5	30.6	130.1	-118.8	141.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2759

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
------	---------------	---------------	-----------------	------------------------------

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.57	0.00	48.7 (2-Lane)
1.051	195.44	1.80	0.00	55.9 (1-Lane)
1.100	70.85	2.08	0.00	64.3 (2-Lane)
1.100	81.31	2.38	0.00	73.8 (1-Lane)
1.200	20.21	2.04	0.00	63.1 (2-Lane)
1.200	23.20	2.34	0.00	72.4 (1-Lane)
1.300	11.22	2.79	0.00	86.5 (2-Lane)
1.300	12.88	3.20	0.00	99.3 (1-Lane)
1.400	4.97	2.35	0.00	72.9 (2-Lane)
1.400	5.86	2.78	0.00	86.3 (1-Lane)
1.500	2.78	2.78	0.00	86.3 (2-Lane)
1.500	3.22	3.22	0.00	99.8 (1-Lane)
1.600	2.35	4.97	0.00	72.9 (2-Lane)
1.600	2.78	5.86	0.00	86.3 (1-Lane)
1.700	2.79	11.22	0.00	86.5 (2-Lane)
1.700	3.20	12.88	0.00	99.3 (1-Lane)
1.800	2.04	20.21	0.00	63.1 (2-Lane)
1.800	2.34	23.20	0.00	72.4 (1-Lane)
1.900	2.21	71.29	0.00	68.7 (2-Lane)
1.900	2.54	81.82	0.00	78.8 (1-Lane)
1.949	1.64	170.85	0.00	50.8 (2-Lane)
1.949	1.88	196.10	0.00	58.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2760

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN
Rating Live Load: SU5

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2760

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S

Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL		LL		LL		LL	
			1.75		1.75		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV

Rating Live Load: SU6

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5

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1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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 MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G15
 Rating Type: I-INV
 Rating Live Load: SU6

Moment									
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.100	13.41	999.00	13.41	999.00	0.00	466.2	(2-Lane)		
1.100	17.94	999.00	17.94	999.00	0.00	623.4	(1-Lane)		
1.200	7.11	999.00	7.11	999.00	0.00	247.1	(2-Lane)		
1.200	9.51	999.00	9.51	999.00	0.00	330.4	(1-Lane)		
1.300	5.32	999.00	5.32	999.00	0.00	184.7	(2-Lane)		
1.300	7.11	999.00	7.11	999.00	0.00	247.1	(1-Lane)		
1.400	4.63	999.00	4.63	999.00	0.00	160.9	(2-Lane)		
1.400	6.19	999.00	6.19	999.00	0.00	215.2	(1-Lane)		
1.500	4.47	999.00	4.47	999.00	0.00	155.3	(2-Lane)		
1.500	5.97	999.00	5.97	999.00	0.00	207.6	(1-Lane)		
1.600	4.63	999.00	4.63	999.00	0.00	160.9	(2-Lane)		
1.600	6.19	999.00	6.19	999.00	0.00	215.2	(1-Lane)		
1.700	5.32	999.00	5.32	999.00	0.00	184.7	(2-Lane)		
1.700	7.11	999.00	7.11	999.00	0.00	247.1	(1-Lane)		
1.800	7.11	999.00	7.11	999.00	0.00	247.1	(2-Lane)		
1.800	9.51	999.00	9.51	999.00	0.00	330.4	(1-Lane)		
1.900	13.34	999.00	13.34	999.00	0.00	463.7	(2-Lane)		
1.900	17.85	999.00	17.85	999.00	0.00	620.1	(1-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		

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 SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G15
 Rating Type: I-INV
 Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	1.75	LL	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.25	0.00	68.61	0.00
1.100	43.8	6.2	85.45	0.00	64.25	0.00
1.200	29.3	4.6	73.51	0.00	55.27	0.00
1.300	19.5	3.1	61.58	0.00	46.30	0.00
1.400	9.8	1.5	49.64	0.00	37.32	0.00
1.500	0.0	0.0	37.70	0.00	28.35	0.00
1.600	-9.8	-1.5	-49.64	0.00	-37.32	0.00
1.700	-19.5	-3.1	-61.58	0.00	-46.30	0.00
1.800	-29.3	-4.6	-73.51	0.00	-55.27	0.00
1.900	-39.0	-6.2	-85.45	0.00	-64.25	0.00
1.949	-43.7	-13.9	-91.25	0.00	-68.61	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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 STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU6

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	-255.6	135.4	(2-Lane)
1.051	65.6	129.9	-255.6	135.4	(1-Lane)
1.100	74.9	143.2	-268.0	168.0	(2-Lane)
1.100	74.9	143.2	-268.0	168.0	(1-Lane)
1.200	94.4	82.6	-210.9	143.1	(2-Lane)
1.200	94.4	82.6	-210.9	143.1	(1-Lane)
1.300	106.5	82.6	-211.7	166.5	(2-Lane)
1.300	106.5	82.6	-211.7	166.5	(1-Lane)
1.400	92.6	30.6	-134.5	111.9	(2-Lane)
1.400	96.5	30.6	-138.4	115.8	(1-Lane)
1.500	55.0	48.2	-103.2	103.2	(2-Lane)
1.500	56.0	48.2	-104.3	104.3	(1-Lane)
1.600	92.6	30.6	-111.9	134.5	(2-Lane)
1.600	96.5	30.6	-115.8	138.4	(1-Lane)
1.700	106.5	82.6	-166.5	211.7	(2-Lane)
1.700	106.5	82.6	-166.5	211.7	(1-Lane)
1.800	94.4	82.6	-143.1	210.9	(2-Lane)
1.800	94.4	82.6	-143.1	210.9	(1-Lane)
1.900	77.5	147.0	-179.3	269.7	(2-Lane)
1.900	77.5	147.0	-179.3	269.7	(1-Lane)
1.949	67.0	131.9	-141.2	256.4	(2-Lane)
1.949	67.0	131.9	-141.2	256.4	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU6

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	251.72	1.48	0.00	51.6	(2-Lane)
1.051	288.92	1.70	0.00	59.2	(1-Lane)
1.100	119.80	1.97	0.00	68.3	(2-Lane)
1.100	137.50	2.26	0.00	78.4	(1-Lane)
1.200	25.54	1.95	0.00	67.7	(2-Lane)
1.200	29.31	2.23	0.00	77.7	(1-Lane)
1.300	12.50	2.70	0.00	94.0	(2-Lane)
1.300	14.34	3.10	0.00	107.9	(1-Lane)
1.400	5.00	2.26	0.00	78.3	(2-Lane)
1.400	5.91	2.68	0.00	93.1	(1-Lane)
1.500	2.74	2.74	0.00	95.1	(2-Lane)
1.500	3.17	3.17	0.00	110.3	(1-Lane)
1.600	2.26	5.00	0.00	78.3	(2-Lane)
1.600	2.68	5.91	0.00	93.1	(1-Lane)
1.700	2.70	12.50	0.00	94.0	(2-Lane)
1.700	3.10	14.34	0.00	107.9	(1-Lane)
1.800	1.95	25.54	0.00	67.7	(2-Lane)
1.800	2.23	29.31	0.00	77.7	(1-Lane)
1.900	2.10	120.54	0.00	72.9	(2-Lane)
1.900	2.41	138.35	0.00	83.7	(1-Lane)
1.949	1.55	252.57	0.00	53.8	(2-Lane)
1.949	1.78	289.88	0.00	61.7	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN
Rating Live Load: SU6

Gamma		DC	DW	(2-Lane) LL		(1-Lane) LL		
		1.00	1.00	0.80		0.80		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00 R	0.00	0.00

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1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87
1.200	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83
1.300	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19
1.400	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73
1.500	553.7	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59
1.600	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73
1.700	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19
1.800	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83
1.900	199.3	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G15									
Rating Type: III-INV									
Rating Live Load: STRESSES									
Rating Type: SU6									
Rating Live Load:									
Span	Service Resistance				Available Resistance for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.	
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0	
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2	
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4	
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8	
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1	
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3	
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3	
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3	
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1	
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8	
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5	
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2	
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0	

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G15									
Rating Type: III-INV S									
Rating Live Load: SU6									
Service									
Span	top	Rating	Factor	bottom	Rating	Load			
	+bend	fiber		fiber	Value	Resistance			
		-bend		-bend		(tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)			
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)			
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)			
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)			
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)			
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)			
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)			
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)			
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)			
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)			
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)			
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)			
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)			
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)			
1.800	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)			
1.800	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)			
1.900	55.54	999.00	16.85	999.00	0.00	585.5 (2-Lane)			
1.900	74.28	999.00	22.53	999.00	0.00	783.1 (1-Lane)			
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-INV
Rating Live Load: SU7

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.82	999.00	12.82	999.00	0.00	496.8 (2-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	664.4 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.200	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.300	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.300	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.400	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.400	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.5 (2-Lane)
1.500	5.51	999.00	5.51	999.00	0.00	213.4 (1-Lane)
1.600	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.600	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.700	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.700	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.800	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.900	12.75	999.00	12.75	999.00	0.00	494.2 (2-Lane)

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SHEAR REPORT

Member I. D.	G15
Rating Type:	I-I
Rating Live Load:	SU7

pan	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	95.88	0.00	72.09	0.00	83.54	0.00
1.100	43.8	6.2	89.41	0.00	67.23	0.00	77.90	0.00
1.200	29.3	4.6	76.10	0.00	57.22	0.00	66.30	0.00
1.300	19.5	3.1	62.78	0.00	47.21	0.00	54.70	0.00
1.400	9.8	1.5	49.47	0.00	37.20	0.00	43.10	0.00
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00
1.600	-9.8	-1.5	-49.47	0.00	-37.20	0.00	-43.10	0.00
1.700	-19.5	-3.1	-62.78	0.00	-47.21	0.00	-54.70	0.00
1.800	-29.3	-4.6	-76.10	0.00	-57.22	0.00	-66.30	0.00
1.900	-39.0	-6.2	-89.41	0.00	-67.23	0.00	-77.90	0.00
1.949	-43.7	-13.9	-95.88	0.00	-72.09	0.00	-83.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Member I. D.	G15
Rating Type:	I-INV
Rating Live Load:	SU7

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STRENGTH SHEAR RESISTANCE RATING REPORT

Member I. D.	G15
Rating Type:	I-INV
Rating Live Load:	SU7

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1.100	155.73	2.16	0.00	83.6 (1-Lane)
1.200	33.72	1.88	0.00	72.9 (2-Lane)
1.200	38.70	2.16	0.00	83.7 (1-Lane)
1.300	14.34	2.65	0.00	102.8 (2-Lane)
1.300	16.46	3.04	0.00	118.0 (1-Lane)
1.400	5.16	2.19	0.00	84.9 (2-Lane)
1.400	6.11	2.61	0.00	101.2 (1-Lane)
1.500	2.73	2.73	0.00	105.6 (2-Lane)
1.500	3.17	3.17	0.00	122.7 (1-Lane)
1.600	2.19	5.16	0.00	84.9 (2-Lane)
1.600	2.61	6.11	0.00	101.2 (1-Lane)
1.700	2.65	14.34	0.00	102.8 (2-Lane)
1.700	3.04	16.46	0.00	118.0 (1-Lane)
1.800	1.88	33.72	0.00	72.9 (2-Lane)
1.800	2.16	38.70	0.00	83.7 (1-Lane)
1.900	2.01	136.53	0.00	77.7 (2-Lane)
1.900	2.30	156.70	0.00	89.2 (1-Lane)
1.949	1.47	252.57	0.00	57.1 (2-Lane)
1.949	1.69	289.88	0.00	65.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2776

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-INV S
Rating Live Load: SU7

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0 (1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2 (2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7 (1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0 (2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25	1.25	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	109.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.2 (2-Lane)
1.100	17.73	999.00	17.73	999.00	0.00	638.2 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.200	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.300	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.400	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.400	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.500	4.76	999.00	4.76	999.00	0.00	171.3 (2-Lane)
1.500	6.36	999.00	6.36	999.00	0.00	229.1 (1-Lane)
1.600	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.600	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.700	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.800	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	474.7 (2-Lane)
1.900	17.63	999.00	17.63	999.00	0.00	634.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: HL93

Gamma		DC	DW	(2-Lane)		(1-Lane)		
		1.25	1.25	LL	LL	LL	LL	
				1.35		1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.11	0.00	72.55	0.00	79.38	0.00
1.100	43.8	6.2	84.85	0.00	67.43	0.00	73.93	0.00
1.200	29.3	4.6	72.23	0.00	57.18	0.00	62.93	0.00
1.300	19.5	3.1	59.97	0.00	47.29	0.00	52.25	0.00
1.400	9.8	1.5	48.08	0.00	37.77	0.00	41.89	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00
1.600	-9.8	-1.5	-48.08	0.00	-37.77	0.00	-41.89	0.00
1.700	-19.5	-3.1	-59.97	0.00	-47.29	0.00	-52.25	0.00
1.800	-29.3	-4.6	-72.23	0.00	-57.18	0.00	-62.93	0.00
1.900	-39.0	-6.2	-84.85	0.00	-67.43	0.00	-73.93	0.00
1.949	-43.7	-13.9	-91.11	0.00	-72.55	0.00	-79.38	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: HL93

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I	
			(-)	(+)

1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.9	30.6	123.5	-134.8	112.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.9	30.6	123.5	-112.2	134.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.49	0.00	53.5 (2-Lane)
1.051	134.59	1.71	0.00	61.4 (1-Lane)
1.100	62.45	1.98	0.00	71.3 (2-Lane)
1.100	71.68	2.27	0.00	81.8 (1-Lane)
1.200	18.12	1.98	0.00	71.3 (2-Lane)
1.200	20.79	2.27	0.00	81.9 (1-Lane)
1.300	11.04	2.78	0.00	99.9 (2-Lane)
1.300	12.67	3.19	0.00	114.7 (1-Lane)
1.400	4.98	2.33	0.00	84.0 (2-Lane)
1.400	5.87	2.77	0.00	99.6 (1-Lane)
1.500	2.83	2.83	0.00	101.9 (2-Lane)
1.500	3.28	3.28	0.00	118.0 (1-Lane)
1.600	2.33	4.98	0.00	84.0 (2-Lane)
1.600	2.77	5.87	0.00	99.6 (1-Lane)
1.700	2.78	11.04	0.00	99.9 (2-Lane)
1.700	3.19	12.67	0.00	114.7 (1-Lane)
1.800	1.98	18.12	0.00	71.3 (2-Lane)
1.800	2.27	20.79	0.00	81.9 (1-Lane)
1.900	2.11	60.29	0.00	76.1 (2-Lane)
1.900	2.43	69.20	0.00	87.3 (1-Lane)
1.949	1.55	115.13	0.00	55.8 (2-Lane)
1.949	1.78	132.14	0.00	64.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	357.51 R	0.00	267.32 R	0.00
1.200	443.0	70.2	617.82 R	0.00	461.96 R	0.00
1.300	581.4	92.1	780.93 R	0.00	583.93 R	0.00
1.400	664.5	105.3	873.47 R	0.00	653.13 R	0.00
1.500	692.1	109.7	882.13 R	0.00	659.60 R	0.00
1.600	664.5	105.3	873.47 R	0.00	653.13 R	0.00
1.700	581.4	92.1	780.93 R	0.00	583.93 R	0.00

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1.800	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.33	999.00	16.33	999.00	326.65	588.0 (2-Lane)
1.100	21.84	999.00	21.84	999.00	436.86	786.3 (1-Lane)
1.200	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.200	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.300	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.300	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.400	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.400	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.500	6.00	999.00	6.00	999.00	120.05	216.1 (2-Lane)
1.500	8.03	999.00	8.03	999.00	160.55	289.0 (1-Lane)
1.600	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.600	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.700	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.700	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.800	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.800	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.900	16.25	999.00	16.25	999.00	324.93	584.9 (2-Lane)
1.900	21.73	999.00	21.73	999.00	434.55	782.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	LL	DW	LL	DC	LL	DC	LL
	1.25		1.25		1.35			1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.82	0.00	56.26	0.00	65.19	0.00
1.100	43.8	6.2	70.18	0.00	52.77	0.00	61.15	0.00
1.200	29.3	4.6	60.64	0.00	45.60	0.00	52.84	0.00
1.300	19.5	3.1	51.10	0.00	38.42	0.00	44.52	0.00
1.400	9.8	1.5	41.56	0.00	31.25	0.00	36.21	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00	27.90	0.00
1.600	-9.8	-1.5	-41.56	0.00	-31.25	0.00	-36.21	0.00
1.700	-19.5	-3.1	-51.10	0.00	-38.42	0.00	-44.52	0.00
1.800	-29.3	-4.6	-60.64	0.00	-45.60	0.00	-52.84	0.00
1.900	-39.0	-6.2	-70.18	0.00	-52.77	0.00	-61.15	0.00
1.949	-43.7	-13.9	-74.82	0.00	-56.26	0.00	-65.19	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.6	30.6	124.2	-135.5	112.9 (2-Lane)
1.400	96.4	30.6	127.0	-138.3	115.7 (1-Lane)
1.500	55.0	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	93.6	30.6	124.2	-112.9	135.5 (2-Lane)
1.600	96.4	30.6	127.0	-115.7	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: HS20

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.81	36.19	65.1 (2-Lane)
1.051	134.59	2.08	41.54	74.8 (1-Lane)
1.100	63.21	2.39	47.88	86.2 (2-Lane)
1.100	72.55	2.75	54.95	98.9 (1-Lane)
1.200	24.87	2.36	47.20	85.0 (2-Lane)
1.200	28.54	2.71	54.18	97.5 (1-Lane)
1.300	14.12	3.26	65.17	117.3 (2-Lane)
1.300	16.21	3.74	74.79	134.6 (1-Lane)
1.400	5.77	2.72	54.33	97.8 (2-Lane)
1.400	6.76	3.19	63.88	115.0 (1-Lane)
1.500	3.22	3.22	64.51	116.1 (2-Lane)
1.500	3.71	3.71	74.16	133.5 (1-Lane)
1.600	2.72	5.77	54.33	97.8 (2-Lane)
1.600	3.19	6.76	63.89	115.0 (1-Lane)
1.700	3.26	14.12	65.17	117.3 (2-Lane)
1.700	3.74	16.21	74.79	134.6 (1-Lane)
1.800	2.36	24.87	47.20	85.0 (2-Lane)
1.800	2.71	28.54	54.18	97.5 (1-Lane)
1.900	2.56	63.60	51.10	92.0 (2-Lane)
1.900	2.93	73.00	58.65	105.6 (1-Lane)

1.949	1.89	117.66	37.75	67.9 (2-Lane)
1.949	2.17	135.04	43.33	78.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2792

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	109.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.50	999.00	22.50	999.00	0.00	562.5 (2-Lane)
1.100	30.09	999.00	30.09	999.00	0.00	752.3 (1-Lane)
1.200	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.200	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.300	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.300	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.400	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.400	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)

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1.500	8.02	999.00	8.02	999.00	0.00 200.4 (2-Lane)
1.500	10.72	999.00	10.72	999.00	0.00 268.0 (1-Lane)
1.600	8.23	999.00	8.23	999.00	0.00 205.7 (2-Lane)
1.600	11.01	999.00	11.01	999.00	0.00 275.1 (1-Lane)
1.700	9.41	999.00	9.41	999.00	0.00 235.4 (2-Lane)
1.700	12.59	999.00	12.59	999.00	0.00 314.8 (1-Lane)
1.800	12.37	999.00	12.37	999.00	0.00 309.1 (2-Lane)
1.800	16.54	999.00	16.54	999.00	0.00 413.4 (1-Lane)
1.900	22.38	999.00	22.38	999.00	0.00 559.5 (2-Lane)
1.900	29.93	999.00	29.93	999.00	0.00 748.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-13.9	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.3	107.8 (2-Lane)
1.400	90.1	30.6	120.6	-131.9	109.4 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	49.3	48.2	97.5	-97.5	97.5 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	90.1	30.6	120.7	-109.4	131.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.50	0.00	62.5 (2-Lane)
1.051	253.35	2.87	0.00	71.7 (1-Lane)
1.100	91.84	3.30	0.00	82.4 (2-Lane)
1.100	105.41	3.79	0.00	94.6 (1-Lane)
1.200	28.41	3.23	0.00	80.7 (2-Lane)
1.200	32.61	3.71	0.00	92.7 (1-Lane)
1.300	17.75	4.42	0.00	110.4 (2-Lane)
1.300	20.37	5.07	0.00	126.7 (1-Lane)
1.400	7.31	3.47	0.00	86.7 (2-Lane)
1.400	8.50	4.04	0.00	101.0 (1-Lane)
1.500	4.01	4.01	0.00	100.4 (2-Lane)
1.500	4.58	4.58	0.00	114.5 (1-Lane)
1.600	3.47	7.31	0.00	86.7 (2-Lane)
1.600	4.04	8.50	0.00	101.0 (1-Lane)
1.700	4.42	17.75	0.00	110.4 (2-Lane)
1.700	5.07	20.37	0.00	126.7 (1-Lane)
1.800	3.23	28.41	0.00	80.7 (2-Lane)
1.800	3.71	32.61	0.00	92.7 (1-Lane)
1.900	3.52	92.41	0.00	88.0 (2-Lane)
1.900	4.04	106.06	0.00	101.0 (1-Lane)
1.949	2.61	221.48	0.00	65.2 (2-Lane)
1.949	2.99	254.20	0.00	74.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	109.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: 3S2

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.07	999.00	19.07	999.00	0.00	762.6 (2-Lane)
1.100	25.50	999.00	25.50	999.00	0.00	999.0 (1-Lane)
1.200	11.07	999.00	11.07	999.00	0.00	442.7 (2-Lane)
1.200	14.80	999.00	14.80	999.00	0.00	592.0 (1-Lane)
1.300	8.21	999.00	8.21	999.00	0.00	328.5 (2-Lane)
1.300	10.98	999.00	10.98	999.00	0.00	439.3 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00	291.5 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00	389.8 (1-Lane)
1.500	7.38	999.00	7.38	999.00	0.00	295.2 (2-Lane)
1.500	9.87	999.00	9.87	999.00	0.00	394.7 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00	291.5 (2-Lane)
1.600	9.74	999.00	9.74	999.00	0.00	389.8 (1-Lane)
1.700	8.21	999.00	8.21	999.00	0.00	328.5 (2-Lane)
1.700	10.98	999.00	10.98	999.00	0.00	439.3 (1-Lane)
1.800	11.07	999.00	11.07	999.00	0.00	442.7 (2-Lane)
1.800	14.80	999.00	14.80	999.00	0.00	592.0 (1-Lane)
1.900	18.97	999.00	18.97	999.00	0.00	758.6 (2-Lane)
1.900	25.36	999.00	25.36	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	52.03	0.00	39.12	0.00	45.34	0.00
1.100	43.8	6.2	60.12	0.00	45.21	0.00	52.38	0.00
1.200	29.3	4.6	49.52	0.00	37.24	0.00	43.15	0.00
1.300	19.5	3.1	39.27	0.00	29.53	0.00	34.22	0.00
1.400	9.8	1.5	30.50	0.00	22.93	0.00	26.58	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00
1.600	-9.8	-1.5	-30.50	0.00	-22.93	0.00	-26.58	0.00
1.700	-19.5	-3.1	-39.27	0.00	-29.53	0.00	-34.22	0.00
1.800	-29.3	-4.6	-49.52	0.00	-37.24	0.00	-43.15	0.00
1.900	-39.0	-6.2	-60.12	0.00	-45.21	0.00	-52.38	0.00
1.949	-43.7	-13.9	-65.28	0.00	-49.08	0.00	-56.87	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: 3S2

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)

1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	83.8	30.6	114.4	-125.7	103.1 (2-Lane)
1.400	85.9	30.6	116.5	-127.8	105.2 (1-Lane)
1.500	44.8	48.2	93.0	-93.0	93.0 (2-Lane)
1.500	44.4	48.2	92.6	-92.6	92.6 (1-Lane)
1.600	83.8	30.6	114.4	-103.1	125.7 (2-Lane)
1.600	85.9	30.6	116.5	-105.2	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.60	0.00	104.1 (2-Lane)
1.051	253.35	2.99	0.00	119.5 (1-Lane)
1.100	91.84	2.79	0.00	111.8 (2-Lane)
1.100	105.41	3.21	0.00	128.3 (1-Lane)
1.200	28.41	2.89	0.00	115.6 (2-Lane)
1.200	32.61	3.32	0.00	132.7 (1-Lane)
1.300	17.75	4.24	0.00	169.6 (2-Lane)
1.300	20.37	4.87	0.00	194.7 (1-Lane)
1.400	7.65	3.38	0.00	135.2 (2-Lane)
1.400	8.93	3.96	0.00	158.3 (1-Lane)
1.500	4.25	4.25	0.00	169.9 (2-Lane)
1.500	4.86	4.86	0.00	194.3 (1-Lane)
1.600	3.38	7.65	0.00	135.2 (2-Lane)
1.600	3.96	8.93	0.00	158.3 (1-Lane)
1.700	4.24	17.75	0.00	169.6 (2-Lane)
1.700	4.87	20.37	0.00	194.7 (1-Lane)
1.800	2.89	28.41	0.00	115.6 (2-Lane)
1.800	3.32	32.61	0.00	132.7 (1-Lane)
1.900	2.98	92.41	0.00	119.3 (2-Lane)
1.900	3.42	106.06	0.00	136.9 (1-Lane)
1.949	2.16	221.48	0.00	86.5 (2-Lane)
1.949	2.48	254.20	0.00	99.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL		LL			
					1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.200	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.300	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.400	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.500	692.1	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00
1.600	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00
1.700	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00
1.800	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00
1.900	249.2	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	55.98	0.00	42.09	0.00	48.77	0.00	36.67	0.00
1.100	43.8	6.2	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	29.3	4.6	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	19.5	3.1	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	9.8	1.5	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-9.8	-1.5	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-19.5	-3.1	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00
1.800	-29.3	-4.6	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90	0.00
1.900	-39.0	-6.2	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80	0.00
1.949	-43.7	-13.9	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: 3-3

	Shear Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	-211.7	166.5 (1-Lane)
1.400	84.1	30.6	-126.0	103.4 (2-Lane)
1.400	85.4	30.6	-127.2	104.6 (1-Lane)
1.500	44.9	48.2	-93.2	93.2 (2-Lane)
1.500	44.2	48.2	-92.4	92.4 (1-Lane)
1.600	84.1	30.6	-103.4	126.0 (2-Lane)
1.600	85.4	30.6	-104.6	127.2 (1-Lane)
1.700	106.5	82.6	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2811

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	268.04	2.42	0.00	96.8 (2-Lane)
1.051	307.64	2.78	0.00	111.0 (1-Lane)
1.100	111.52	3.26	0.00	130.2 (2-Lane)
1.100	127.99	3.74	0.00	149.5 (1-Lane)
1.200	34.50	3.36	0.00	134.4 (2-Lane)
1.200	39.60	3.86	0.00	154.3 (1-Lane)
1.300	21.55	4.96	0.00	198.4 (2-Lane)
1.300	24.73	5.69	0.00	227.7 (1-Lane)
1.400	8.66	3.94	0.00	157.8 (2-Lane)
1.400	10.04	4.58	0.00	183.3 (1-Lane)
1.500	4.57	4.57	0.00	182.9 (2-Lane)
1.500	5.21	5.21	0.00	208.2 (1-Lane)
1.600	3.94	8.66	0.00	157.8 (2-Lane)
1.600	4.58	10.04	0.00	183.3 (1-Lane)
1.700	4.96	21.55	0.00	198.4 (2-Lane)
1.700	5.69	24.73	0.00	227.7 (1-Lane)
1.800	3.36	34.50	0.00	134.4 (2-Lane)
1.800	3.86	39.60	0.00	154.3 (1-Lane)
1.900	3.47	112.21	0.00	139.0 (2-Lane)
1.900	3.99	128.79	0.00	159.5 (1-Lane)
1.949	2.52	268.94	0.00	100.9 (2-Lane)
1.949	2.89	308.67	0.00	115.8 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER
Rating Live Load: SU4

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.37	999.00	20.37	999.00	0.00	549.9 (2-Lane)
1.100	27.24	999.00	27.24	999.00	0.00	735.5 (1-Lane)
1.200	11.16	999.00	11.16	999.00	0.00	301.3 (2-Lane)
1.200	14.92	999.00	14.92	999.00	0.00	402.9 (1-Lane)
1.300	8.46	999.00	8.46	999.00	0.00	228.3 (2-Lane)
1.300	11.31	999.00	11.31	999.00	0.00	305.4 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00	196.7 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00	263.1 (1-Lane)
1.500	7.04	999.00	7.04	999.00	0.00	190.1 (2-Lane)
1.500	9.42	999.00	9.42	999.00	0.00	254.3 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00	196.7 (2-Lane)

1.600	9.74	999.00	9.74	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00 263.1 (1-Lane)
1.700	8.46	999.00	8.46	999.00	0.00 228.3 (2-Lane)
1.700	11.31	999.00	11.31	999.00	0.00 305.4 (1-Lane)
1.800	11.16	999.00	11.16	999.00	0.00 301.3 (2-Lane)
1.800	14.92	999.00	14.92	999.00	0.00 402.9 (1-Lane)
1.900	20.26	999.00	20.26	999.00	0.00 547.0 (2-Lane)
1.900	27.10	999.00	27.10	999.00	0.00 731.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2816

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	43.8	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	29.3	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	19.5	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	9.8	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-9.8	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-19.5	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-29.3	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-39.0	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-43.7	-13.9	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	90.3	30.6	120.9	-132.2	109.6 (2-Lane)
1.400	92.4	30.6	123.0	-134.3	111.7 (1-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (2-Lane)
1.500	52.0	48.2	100.3	-100.3	100.3 (1-Lane)
1.600	90.3	30.6	120.9	-109.6	132.2 (2-Lane)
1.600	92.4	30.6	123.0	-111.7	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance
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(tons)

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.27	0.00	61.2 (2-Lane)
1.051	253.35	2.60	0.00	70.2 (1-Lane)
1.100	91.84	2.98	0.00	80.6 (2-Lane)
1.100	105.41	3.43	0.00	92.5 (1-Lane)
1.200	26.20	2.91	0.00	78.7 (2-Lane)
1.200	30.07	3.34	0.00	90.3 (1-Lane)
1.300	15.55	3.97	0.00	107.1 (2-Lane)
1.300	17.84	4.55	0.00	123.0 (1-Lane)
1.400	6.45	3.15	0.00	85.0 (2-Lane)
1.400	7.52	3.68	0.00	99.4 (1-Lane)
1.500	3.64	3.64	0.00	98.2 (2-Lane)
1.500	4.16	4.16	0.00	112.4 (1-Lane)
1.600	3.15	6.45	0.00	85.0 (2-Lane)
1.600	3.68	7.52	0.00	99.4 (1-Lane)
1.700	3.97	15.55	0.00	107.1 (2-Lane)
1.700	4.55	17.84	0.00	123.0 (1-Lane)
1.800	2.91	26.20	0.00	78.7 (2-Lane)
1.800	3.34	30.07	0.00	90.3 (1-Lane)
1.900	3.19	92.41	0.00	86.0 (2-Lane)
1.900	3.66	106.06	0.00	98.7 (1-Lane)
1.949	2.36	221.48	0.00	63.8 (2-Lane)
1.949	2.71	254.20	0.00	73.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
 Rating Type: I-OPER
 Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.35	999.00	18.35	999.00	0.00	568.9 (2-Lane)
1.100	24.55	999.00	24.55	999.00	0.00	760.9 (1-Lane)
1.200	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.200	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.300	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.300	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.400	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.500	6.45	999.00	6.45	999.00	0.00	200.1 (2-Lane)
1.500	8.63	999.00	8.63	999.00	0.00	267.6 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.600	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.700	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.700	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.800	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.800	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.900	18.26	999.00	18.26	999.00	0.00	565.9 (2-Lane)
1.900	24.42	999.00	24.42	999.00	0.00	756.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
 Rating Type: I-OPER
 Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	66.45	0.00	49.96	0.00	57.90	0.00
1.100	43.8	6.2	62.46	0.00	46.96	0.00	54.42	0.00
1.200	29.3	4.6	54.24	0.00	40.78	0.00	47.26	0.00
1.300	19.5	3.1	46.03	0.00	34.61	0.00	40.10	0.00
1.400	9.8	1.5	37.81	0.00	28.43	0.00	32.94	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00
1.600	-9.8	-1.5	-37.81	0.00	-28.43	0.00	-32.94	0.00
1.700	-19.5	-3.1	-46.03	0.00	-34.61	0.00	-40.10	0.00
1.800	-29.3	-4.6	-54.24	0.00	-40.78	0.00	-47.26	0.00
1.900	-39.0	-6.2	-62.46	0.00	-46.96	0.00	-54.42	0.00
1.949	-43.7	-13.9	-66.45	0.00	-49.96	0.00	-57.90	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
 Rating Type: I-OPER
 Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)

1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (2-Lane)
1.400	93.7	30.6	124.3	-135.6	113.0 (1-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	53.3	48.2	101.5	-101.5	101.5 (1-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (2-Lane)
1.600	93.7	30.6	124.3	-113.0	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2825

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.04	0.00	63.2 (2-Lane)
1.051	253.35	2.34	0.00	72.5 (1-Lane)
1.100	91.84	2.69	0.00	83.4 (2-Lane)
1.100	105.41	3.09	0.00	95.7 (1-Lane)
1.200	26.20	2.64	0.00	81.8 (2-Lane)
1.200	30.07	3.03	0.00	93.9 (1-Lane)
1.300	14.54	3.62	0.00	112.1 (2-Lane)
1.300	16.69	4.15	0.00	128.7 (1-Lane)
1.400	6.23	2.92	0.00	90.6 (2-Lane)
1.400	7.28	3.43	0.00	106.3 (1-Lane)
1.500	3.43	3.43	0.00	106.4 (2-Lane)
1.500	3.94	3.94	0.00	122.0 (1-Lane)
1.600	2.92	6.23	0.00	90.6 (2-Lane)
1.600	3.43	7.28	0.00	106.3 (1-Lane)
1.700	3.62	14.54	0.00	112.1 (2-Lane)
1.700	4.15	16.69	0.00	128.7 (1-Lane)
1.800	2.64	26.20	0.00	81.8 (2-Lane)
1.800	3.03	30.07	0.00	93.9 (1-Lane)
1.900	2.87	92.41	0.00	89.0 (2-Lane)
1.900	3.30	106.06	0.00	102.2 (1-Lane)
1.949	2.12	221.48	0.00	65.9 (2-Lane)
1.949	2.44	254.20	0.00	75.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2827

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL		LL	
	1.25	1.25	1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00
1.200	443.0	70.2	605.79 R	0.00	455.48	0.00
1.300	581.4	92.1	786.98 R	0.00	591.71	0.00
1.400	664.5	105.3	887.65 R	0.00	667.41	0.00
1.500	692.1	109.7	914.24 R	0.00	687.40	0.00
1.600	664.5	105.3	887.65 R	0.00	667.41	0.00
1.700	581.4	92.1	786.98 R	0.00	591.71	0.00
1.800	443.0	70.2	605.79 R	0.00	455.48	0.00
1.900	249.2	39.5	335.78 R	0.00	252.47	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU6

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.39	999.00	17.39	999.00	0.00	604.3 (2-Lane)
1.100	23.26	999.00	23.26	999.00	0.00	808.2 (1-Lane)
1.200	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.200	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.300	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.300	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.400	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.400	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.500	5.79	999.00	5.79	999.00	0.00	201.3 (2-Lane)
1.500	7.75	999.00	7.75	999.00	0.00	269.2 (1-Lane)
1.600	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.600	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.700	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.700	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.800	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.800	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.900	17.30	999.00	17.30	999.00	0.00	601.1 (2-Lane)
1.900	23.13	999.00	23.13	999.00	0.00	803.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU6

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.40	0.00	52.93	0.00	61.33	0.00
1.100	43.8	6.2	65.92	0.00	49.56	0.00	57.43	0.00

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1.200	29.3	4.6	56.71	0.00	42.64	0.00	49.41	0.00	37.15
1.300	19.5	3.1	47.50	0.00	35.71	0.00	41.39	0.00	31.12
1.400	9.8	1.5	38.29	0.00	28.79	0.00	33.36	0.00	25.08
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00	19.05
1.600	-9.8	-1.5	-38.29	0.00	-28.79	0.00	-33.36	0.00	-25.08
1.700	-19.5	-3.1	-47.50	0.00	-35.71	0.00	-41.39	0.00	-31.12
1.800	-29.3	-4.6	-56.71	0.00	-42.64	0.00	-49.41	0.00	-37.15
1.900	-39.0	-6.2	-65.92	0.00	-49.56	0.00	-57.43	0.00	-43.18
1.949	-43.7	-13.9	-70.40	0.00	-52.93	0.00	-61.33	0.00	-46.12
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
 Rating Type: I-OPER
 Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.4	107.8 (2-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.4	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
 Rating Type: I-OPER
 Rating Live Load: SU6

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.92	0.00	66.8 (2-Lane)
1.051	374.52	2.21	0.00	76.7 (1-Lane)
1.100	155.30	2.55	0.00	88.6 (2-Lane)
1.100	178.24	2.92	0.00	101.7 (1-Lane)
1.200	33.11	2.52	0.00	87.7 (2-Lane)
1.200	38.00	2.90	0.00	100.7 (1-Lane)
1.300	16.20	3.51	0.00	121.8 (2-Lane)
1.300	18.59	4.02	0.00	139.8 (1-Lane)
1.400	6.28	2.82	0.00	97.8 (2-Lane)
1.400	7.37	3.32	0.00	115.2 (1-Lane)
1.500	3.39	3.39	0.00	117.9 (2-Lane)
1.500	3.90	3.90	0.00	135.7 (1-Lane)
1.600	2.82	6.28	0.00	97.8 (2-Lane)
1.600	3.32	7.37	0.00	115.2 (1-Lane)
1.700	3.51	16.20	0.00	121.8 (2-Lane)
1.700	4.02	18.59	0.00	139.8 (1-Lane)
1.800	2.52	33.11	0.00	87.7 (2-Lane)
1.800	2.90	38.00	0.00	100.7 (1-Lane)
1.900	2.72	156.26	0.00	94.5 (2-Lane)
1.900	3.12	179.35	0.00	108.5 (1-Lane)
1.949	2.01	327.40	0.00	69.7 (2-Lane)
1.949	2.30	375.77	0.00	80.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35		1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	351.34 R	0.00	264.16	0.00
1.200	443.0	70.2	633.71 R	0.00	476.47	0.00
1.300	581.4	92.1	847.12 R	0.00	636.93	0.00
1.400	664.5	105.3	958.29 R	0.00	720.52	0.00
1.500	692.1	109.7	992.18 R	0.00	746.00	0.00
1.600	664.5	105.3	958.29 R	0.00	720.52	0.00
1.700	581.4	92.1	847.12 R	0.00	636.93	0.00
1.800	443.0	70.2	633.71 R	0.00	476.47	0.00
1.900	249.2	39.5	351.34 R	0.00	264.16	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.62	999.00	16.62	999.00	0.00	644.0 (2-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	861.3 (1-Lane)
1.200	8.81	999.00	8.81	999.00	0.00	341.4 (2-Lane)
1.200	11.78	999.00	11.78	999.00	0.00	456.6 (1-Lane)
1.300	6.40	999.00	6.40	999.00	0.00	248.1 (2-Lane)
1.300	8.56	999.00	8.56	999.00	0.00	331.8 (1-Lane)
1.400	5.56	999.00	5.56	999.00	0.00	215.4 (2-Lane)
1.400	7.43	999.00	7.43	999.00	0.00	288.1 (1-Lane)
1.500	5.34	999.00	5.34	999.00	0.00	206.8 (2-Lane)
1.500	7.14	999.00	7.14	999.00	0.00	276.6 (1-Lane)
1.600	5.56	999.00	5.56	999.00	0.00	215.4 (2-Lane)
1.600	7.43	999.00	7.43	999.00	0.00	288.1 (1-Lane)
1.700	6.40	999.00	6.40	999.00	0.00	248.1 (2-Lane)
1.700	8.56	999.00	8.56	999.00	0.00	331.8 (1-Lane)

1.800	8.81	999.00	8.81	999.00	0.00	341.4 (2-Lane)
1.800	11.78	999.00	11.78	999.00	0.00	456.6 (1-Lane)
1.900	16.53	999.00	16.53	999.00	0.00	640.6 (2-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	856.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	6.2	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.6	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	3.1	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.5	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.5	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-3.1	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.6	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-6.2	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-13.9	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU7

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	85.6	30.6	116.2	-127.5	104.9 (2-Lane)
1.400	88.6	30.6	119.2	-130.5	107.9 (1-Lane)
1.500	47.8	48.2	96.1	-96.1	96.1 (2-Lane)
1.500	48.3	48.2	96.5	-96.5	96.5 (1-Lane)
1.600	85.6	30.6	116.2	-104.9	127.5 (2-Lane)
1.600	88.6	30.6	119.2	-107.9	130.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-OPER

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	326.31	1.83	0.00	70.9 (2-Lane)
1.051	374.52	2.10	0.00	81.4 (1-Lane)
1.100	175.89	2.44	0.00	94.4 (2-Lane)
1.100	201.88	2.80	0.00	108.3 (1-Lane)
1.200	43.71	2.44	0.00	94.5 (2-Lane)
1.200	50.17	2.80	0.00	108.4 (1-Lane)
1.300	18.59	3.44	0.00	133.2 (2-Lane)
1.300	21.33	3.95	0.00	152.9 (1-Lane)
1.400	6.51	2.75	0.00	106.5 (2-Lane)
1.400	7.65	3.25	0.00	125.8 (1-Lane)
1.500	3.39	3.39	0.00	131.4 (2-Lane)
1.500	3.91	3.91	0.00	151.6 (1-Lane)
1.600	2.75	6.51	0.00	106.5 (2-Lane)
1.600	3.25	7.65	0.00	125.8 (1-Lane)
1.700	3.44	18.59	0.00	133.2 (2-Lane)
1.700	3.95	21.33	0.00	152.9 (1-Lane)
1.800	2.44	43.71	0.00	94.5 (2-Lane)
1.800	2.80	50.17	0.00	108.4 (1-Lane)
1.900	2.60	176.98	0.00	100.7 (2-Lane)
1.900	2.98	203.13	0.00	115.6 (1-Lane)
1.949	1.91	327.40	0.00	74.0 (2-Lane)
1.949	2.19	375.77	0.00	84.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	346.03 R	260.17	258.74 R	194.54
1.200	443.0	70.2	602.06 R	452.67	450.18 R	338.48
1.300	581.4	92.1	768.09 R	577.51	574.33 R	431.83
1.400	664.5	105.3	863.15 R	648.98	645.41 R	485.27
1.500	692.1	109.7	880.89 R	662.32	658.67 R	495.24
1.600	664.5	105.3	863.15 R	648.98	645.41 R	485.27
1.700	581.4	92.1	768.09 R	577.51	574.33 R	431.83
1.800	443.0	70.2	602.06 R	452.67	450.18 R	338.48
1.900	249.2	39.5	346.03 R	260.17	258.74 R	194.54
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.88	999.00	16.88	999.00	0.00	421.9 (2-Lane)
1.100	22.57	999.00	22.57	999.00	0.00	564.2 (1-Lane)
1.200	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.200	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)
1.300	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.300	9.44	999.00	9.44	999.00	0.00	236.1 (1-Lane)
1.400	6.17	999.00	6.17	999.00	0.00	154.3 (2-Lane)
1.400	8.25	999.00	8.25	999.00	0.00	206.3 (1-Lane)
1.500	6.01	999.00	6.01	999.00	0.00	150.3 (2-Lane)
1.500	8.04	999.00	8.04	999.00	0.00	201.0 (1-Lane)
1.600	6.17	999.00	6.17	999.00	0.00	154.3 (2-Lane)
1.600	8.25	999.00	8.25	999.00	0.00	206.3 (1-Lane)
1.700	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.700	9.44	999.00	9.44	999.00	0.00	236.1 (1-Lane)
1.800	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.800	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)
1.900	16.78	999.00	16.78	999.00	0.00	419.6 (2-Lane)
1.900	22.45	999.00	22.45	999.00	0.00	561.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.22	54.30	62.93	47.31
1.100	43.8	6.2	67.93	51.08	59.19	44.50
1.200	29.3	4.6	59.10	44.43	51.49	38.71
1.300	19.5	3.1	50.26	37.79	43.79	32.93
1.400	9.8	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-6.2	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-13.9	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.9	30.6	124.5	-135.8	113.2 (2-Lane)

1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.2	-104.2	104.2 (1-Lane)
1.600	93.9	30.6	124.5	-113.2	135.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.88	0.00	46.9 (2-Lane)
1.051	190.01	2.15	0.00	53.8 (1-Lane)
1.100	68.88	2.47	0.00	61.8 (2-Lane)
1.100	79.06	2.84	0.00	71.0 (1-Lane)
1.200	21.31	2.42	0.00	60.6 (2-Lane)
1.200	24.46	2.78	0.00	69.5 (1-Lane)
1.300	13.31	3.31	0.00	82.8 (2-Lane)
1.300	15.28	3.80	0.00	95.1 (1-Lane)
1.400	5.71	2.73	0.00	68.3 (2-Lane)
1.400	6.69	3.21	0.00	80.3 (1-Lane)
1.500	3.19	3.19	0.00	79.8 (2-Lane)
1.500	3.67	3.67	0.00	91.8 (1-Lane)
1.600	2.73	5.71	0.00	68.3 (2-Lane)
1.600	3.21	6.69	0.00	80.3 (1-Lane)
1.700	3.31	13.31	0.00	82.8 (2-Lane)
1.700	3.80	15.28	0.00	95.1 (1-Lane)
1.800	2.42	21.31	0.00	60.6 (2-Lane)
1.800	2.78	24.46	0.00	69.5 (1-Lane)
1.900	2.64	69.31	0.00	66.0 (2-Lane)
1.900	3.03	79.55	0.00	75.7 (1-Lane)
1.949	1.96	166.11	0.00	48.9 (2-Lane)
1.949	2.24	190.65	0.00	56.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	153.79 R	115.63	114.99 R	86.46
1.200	443.0	70.2	267.58 R	201.19	200.08 R	150.44
1.300	581.4	92.1	341.37 R	256.67	255.26 R	191.92
1.400	664.5	105.3	383.62 R	288.44	286.85 R	215.67
1.500	692.1	109.7	391.51 R	294.36	292.74 R	220.11
1.600	664.5	105.3	383.62 R	288.44	286.85 R	215.67
1.700	581.4	92.1	341.37 R	256.67	255.26 R	191.92
1.800	443.0	70.2	267.58 R	201.19	200.08 R	150.44
1.900	249.2	39.5	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	Rating Factor		bottom fiber		Rating Value	Load Resistance (tons)
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.80		1.80	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	39.5	408.35 R		307.03	305.33 R		229.57		
1.200	443.0	70.2	672.70 R		505.79	503.00 R		378.19		

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1.300	581.4	92.1	880.54 R	662.06	658.41 R	495.04		
1.400	664.5	105.3	974.81 R	732.94	728.90 R	548.05		
1.500	692.1	109.7	956.79 R	719.39	715.43 R	537.91		
1.600	664.5	105.3	974.81 R	732.94	728.90 R	548.05		
1.700	581.4	92.1	880.54 R	662.06	658.41 R	495.04		
1.800	443.0	70.2	672.70 R	505.79	503.00 R	378.19		
1.900	249.2	39.5	408.35 R	307.03	305.33 R	229.57		
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00		
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00		

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-LEGL

Rating Live Load:

3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-LEGL

Rating Live Load:

3S2

Moment						Rating Value	Load Resistance (tons)
Span	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	14.30	999.00	14.30	999.00	0.00	572.0	(2-Lane)
1.100	19.12	999.00	19.12	999.00	0.00	764.9	(1-Lane)
1.200	8.30	999.00	8.30	999.00	0.00	332.0	(2-Lane)
1.200	11.10	999.00	11.10	999.00	0.00	444.0	(1-Lane)
1.300	6.16	999.00	6.16	999.00	0.00	246.4	(2-Lane)
1.300	8.24	999.00	8.24	999.00	0.00	329.5	(1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	218.6	(2-Lane)
1.400	7.31	999.00	7.31	999.00	0.00	292.3	(1-Lane)
1.500	5.53	999.00	5.53	999.00	0.00	221.4	(2-Lane)
1.500	7.40	999.00	7.40	999.00	0.00	296.1	(1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	218.6	(2-Lane)
1.600	7.31	999.00	7.31	999.00	0.00	292.3	(1-Lane)
1.700	6.16	999.00	6.16	999.00	0.00	246.4	(2-Lane)
1.700	8.24	999.00	8.24	999.00	0.00	329.5	(1-Lane)
1.800	8.30	999.00	8.30	999.00	0.00	332.0	(2-Lane)
1.800	11.10	999.00	11.10	999.00	0.00	444.0	(1-Lane)
1.900	14.22	999.00	14.22	999.00	0.00	569.0	(2-Lane)
1.900	19.02	999.00	19.02	999.00	0.00	760.9	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

PAGE 2852

SHEAR REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	69.38	52.16	60.45	45.45
1.100	43.8	6.2	80.16	60.27	69.85	52.52
1.200	29.3	4.6	66.03	49.65	57.53	43.26
1.300	19.5	3.1	52.36	39.37	45.62	34.30
1.400	9.8	1.5	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-9.8	-1.5	-40.67	-30.58	-35.43	-26.64
1.700	-19.5	-3.1	-52.36	-39.37	-45.62	-34.30
1.800	-29.3	-4.6	-66.03	-49.65	-57.53	-43.26
1.900	-39.0	-6.2	-80.16	-60.27	-69.85	-52.52
1.949	-43.7	-13.9	-87.03	-65.44	-75.83	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.2	30.6	118.8	-130.1	107.5 (2-Lane)
1.400	91.4	30.6	122.0	-133.3	110.7 (1-Lane)
1.500	49.6	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (1-Lane)
1.600	88.2	30.6	118.8	-107.5	130.1 (2-Lane)
1.600	91.4	30.6	122.0	-110.7	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.95	0.00	78.1 (2-Lane)
1.051	190.01	2.24	0.00	89.6 (1-Lane)
1.100	68.88	2.10	0.00	83.8 (2-Lane)
1.100	79.06	2.40	0.00	96.2 (1-Lane)
1.200	21.31	2.17	0.00	86.7 (2-Lane)
1.200	24.46	2.49	0.00	99.5 (1-Lane)
1.300	13.31	3.18	0.00	127.2 (2-Lane)
1.300	15.28	3.65	0.00	146.0 (1-Lane)
1.400	5.94	2.64	0.00	105.7 (2-Lane)
1.400	6.98	3.12	0.00	124.9 (1-Lane)
1.500	3.35	3.35	0.00	134.2 (2-Lane)
1.500	3.86	3.86	0.00	154.5 (1-Lane)
1.600	2.64	5.94	0.00	105.7 (2-Lane)
1.600	3.12	6.98	0.00	124.9 (1-Lane)
1.700	3.18	13.31	0.00	127.2 (2-Lane)
1.700	3.65	15.28	0.00	146.0 (1-Lane)

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1.800	2.17	21.31	0.00	86.7 (2-Lane)
1.800	2.49	24.46	0.00	99.5 (1-Lane)
1.900	2.24	69.31	0.00	89.5 (2-Lane)
1.900	2.57	79.55	0.00	102.7 (1-Lane)
1.949	1.62	166.11	0.00	64.9 (2-Lane)
1.949	1.86	190.65	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	(2-Lane)	(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	181.49 R	136.46	135.70 R	102.03
1.200	443.0	70.2	298.98 R	224.79	223.56 R	168.09
1.300	581.4	92.1	391.35 R	294.25	292.63 R	220.02
1.400	664.5	105.3	433.25 R	325.75	323.96 R	243.58
1.500	692.1	109.7	425.24 R	319.73	317.97 R	239.07
1.600	664.5	105.3	433.25 R	325.75	323.96 R	243.58
1.700	581.4	92.1	391.35 R	294.25	292.63 R	220.02
1.800	443.0	70.2	298.98 R	224.79	223.55 R	168.09
1.900	249.2	39.5	181.49 R	136.46	135.70 R	102.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2855

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)

1.200	45.29	999.00	13.76	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	350.45 R	263.50	262.05 R	197.03
1.200	443.0	70.2	578.51 R	434.97	432.57 R	325.24
1.300	581.4	92.1	724.75 R	544.92	541.92 R	407.46
1.400	664.5	105.3	761.27 R	572.38	569.23 R	427.99
1.500	692.1	109.7	807.25 R	606.96	603.61 R	453.84
1.600	664.5	105.3	761.27 R	572.38	569.23 R	427.99
1.700	581.4	92.1	724.75 R	544.92	541.92 R	407.46
1.800	443.0	70.2	578.51 R	434.97	432.57 R	325.24
1.900	249.2	39.5	350.45 R	263.50	262.05 R	197.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	Rating	Factor	Rating	Load
				Page 1155

	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend	Value	Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.66	999.00	16.66	999.00	0.00	666.5 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	891.3 (1-Lane)
1.200	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.200	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.300	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.300	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.400	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.400	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.500	6.56	999.00	6.56	999.00	0.00	262.4 (2-Lane)
1.500	8.77	999.00	8.77	999.00	0.00	350.9 (1-Lane)
1.600	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.600	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.700	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.700	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.800	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.800	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.900	16.57	999.00	16.57	999.00	0.00	662.9 (2-Lane)
1.900	22.17	999.00	22.17	999.00	0.00	886.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.64	56.12	65.03	48.90
1.100	43.8	6.2	68.80	51.73	59.94	45.07
1.200	29.3	4.6	56.79	42.70	49.48	37.20
1.300	19.5	3.1	44.77	33.66	39.01	29.33
1.400	9.8	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-6.2	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-13.9	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	91.4	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (2-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	91.4	30.6	121.9	-110.7	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)

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1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	201.03	1.81	0.00	72.6 (2-Lane)
1.051	230.73	2.08	0.00	83.3 (1-Lane)
1.100	83.64	2.44	0.00	97.7 (2-Lane)
1.100	96.00	2.80	0.00	112.1 (1-Lane)
1.200	25.87	2.52	0.00	100.8 (2-Lane)
1.200	29.70	2.89	0.00	115.7 (1-Lane)
1.300	16.16	3.72	0.00	148.8 (2-Lane)
1.300	18.55	4.27	0.00	170.7 (1-Lane)
1.400	6.76	3.10	0.00	124.1 (2-Lane)
1.400	7.88	3.63	0.00	145.4 (1-Lane)
1.500	3.63	3.63	0.00	145.1 (2-Lane)
1.500	4.16	4.16	0.00	166.3 (1-Lane)
1.600	3.10	6.76	0.00	124.1 (2-Lane)
1.600	3.63	7.88	0.00	145.4 (1-Lane)
1.700	3.72	16.16	0.00	148.8 (2-Lane)
1.700	4.27	18.55	0.00	170.7 (1-Lane)
1.800	2.52	25.87	0.00	100.8 (2-Lane)
1.800	2.89	29.70	0.00	115.7 (1-Lane)
1.900	2.61	84.16	0.00	104.3 (2-Lane)
1.900	2.99	96.59	0.00	119.7 (1-Lane)
1.949	1.89	201.70	0.00	75.7 (2-Lane)
1.949	2.17	231.50	0.00	86.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	155.76 R	117.11	116.46 R	87.57
1.200	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.300	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.400	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.500	692.1	109.7	358.78 R	269.76	268.27 R	201.71
1.600	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.700	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.800	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.900	249.2	39.5	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2863

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S

Rating Live Load: 3-3

Service

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	39.5	339.76 R		255.46	254.05 R		191.01		333.46
1.200	443.0	70.2	593.12 R		445.96	443.50 R		427.33		427.33
1.300	581.4	92.1	760.09 R		571.49	568.34 R		487.20		501.03
1.400	664.5	105.3	866.58 R		651.56	647.97 R		487.20		501.03
1.500	692.1	109.7	891.18 R		670.06	666.37 R		487.20		501.03
1.600	664.5	105.3	866.58 R		651.56	647.97 R		427.33		333.46
1.700	581.4	92.1	760.09 R		571.49	568.34 R		191.01		0.00
1.800	443.0	70.2	593.12 R		445.96	443.50 R				
1.900	249.2	39.5	339.76 R		255.46	254.05 R				
1.949	128.1	0.0	0.00 R		0.00	0.00 R				

Member I. D.	G15
Rating Type:	I-LEGL
Rating Live Load:	SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

Member I. D.	G15
Rating Type:	I-LEGL
Rating Live Load:	SU4

Span	Moment				Rating Value	Load Resistance (tons)
	Rating Factor		bottom fiber			
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	464.0 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	620.6 (1-Lane)
1.200	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.200	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.300	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.300	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.400	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.400	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.500	5.94	999.00	5.94	999.00	0.00	160.4 (2-Lane)
1.500	7.95	999.00	7.95	999.00	0.00	214.5 (1-Lane)
1.600	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.600	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.700	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.700	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.800	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.800	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.900	17.09	999.00	17.09	999.00	0.00	461.6 (2-Lane)
1.900	22.86	999.00	22.86	999.00	0.00	617.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

Member I. D.	G15
Rating Type:	I-LEGL
Rating Live Load:	SU4

Rating Live Load:	504	(2-Lane)	(1-Lane)
Gamma	DC	LL	LL
	1.25	1.60	1.60

Span	Dead Load	Superimposed	Live Load w/impact	Live Load w/o impact	Live Load w/impact	Live Load w/o impact
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	Dead Load	Truck	Lane	Truck	Lane	Truck	Lane	
1.000	48.8	0.0	0.00	0.00		0.00		0.00
1.051	46.2	6.9	70.82	53.25		61.71		46.40
1.100	43.8	6.2	66.70	50.15		58.11		43.69
1.200	29.3	4.6	58.22	43.77		50.73		38.14
1.300	19.5	3.1	49.74	37.40		43.34		32.58
1.400	9.8	1.5	41.26	31.02		35.95		27.03
1.500	0.0	0.0	32.78	24.65		28.56		21.47
1.600	-9.8	-1.5	-41.26	-31.02		-35.95		-27.03
1.700	-19.5	-3.1	-49.74	-37.40		-43.34		-32.58
1.800	-29.3	-4.6	-58.22	-43.77		-50.73		-38.14
1.900	-39.0	-6.2	-66.70	-50.15		-58.11		-43.69
1.949	-43.7	-13.9	-70.82	-53.25		-61.71		-46.39
2.000	-48.8	0.0	0.00	0.00		0.00		0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.5	30.6	124.1	-135.4	112.8 (2-Lane)
1.400	96.2	30.6	126.8	-138.1	115.5 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	93.5	30.6	124.1	-112.8	135.4 (2-Lane)
1.600	96.2	30.6	126.8	-115.5	138.1 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.91	0.00	51.6 (2-Lane)
1.051	213.76	2.19	0.00	59.2 (1-Lane)
1.100	77.49	2.52	0.00	68.0 (2-Lane)
1.100	88.94	2.89	0.00	78.1 (1-Lane)
1.200	22.10	2.46	0.00	66.4 (2-Lane)
1.200	25.37	2.82	0.00	76.2 (1-Lane)
1.300	13.12	3.35	0.00	90.4 (2-Lane)
1.300	15.06	3.84	0.00	103.7 (1-Lane)
1.400	5.57	2.73	0.00	73.8 (2-Lane)
1.400	6.52	3.21	0.00	86.8 (1-Lane)
1.500	3.17	3.17	0.00	85.7 (2-Lane)
1.500	3.65	3.65	0.00	98.6 (1-Lane)
1.600	2.73	5.57	0.00	73.8 (2-Lane)
1.600	3.21	6.52	0.00	86.8 (1-Lane)
1.700	3.35	13.12	0.00	90.4 (2-Lane)
1.700	3.84	15.06	0.00	103.7 (1-Lane)
1.800	2.46	22.10	0.00	66.4 (2-Lane)
1.800	2.82	25.37	0.00	76.2 (1-Lane)
1.900	2.69	77.97	0.00	72.6 (2-Lane)
1.900	3.09	89.49	0.00	83.3 (1-Lane)
1.949	1.99	186.87	0.00	53.8 (2-Lane)
1.949	2.29	214.48	0.00	61.8 (1-Lane)

2.000 999.00 999.00 0.00 999.0 (2-Lane)
 2.000 999.00 999.00 0.00 999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LG
 Rating Live Load: SU4

Gamma DC DW (2-Lane) (1-Lane)
 1.00 1.00 LL 0.80 LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	169.88 R	127.73	127.02 R	95.51	166.73	95.51
1.200	443.0	70.2	296.56 R	222.98	221.75 R	166.73	213.66	166.73
1.300	581.4	92.1	380.04 R	285.75	284.17 R	213.66	243.60	213.66
1.400	664.5	105.3	433.29 R	325.78	323.99 R	243.60	250.51	243.60
1.500	692.1	109.7	445.59 R	335.03	333.18 R	250.51	243.60	250.51
1.600	664.5	105.3	433.29 R	325.78	323.99 R	243.60	213.66	243.60
1.700	581.4	92.1	380.04 R	285.75	284.17 R	213.66	166.73	213.66
1.800	443.0	70.2	296.56 R	222.98	221.75 R	166.73	95.51	166.73
1.900	249.2	39.5	169.88 R	127.73	127.02 R	95.51	0.00	95.51
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL
 Rating Live Load: STRESSES

Rating Type: SU4
 Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S
 Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.500	20.05	999.00	6.10	999.00	0.00 164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00 220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00 171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00 230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00 204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00 273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00 280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00 374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00 532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00 712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G15			
Rating Type:		I-LEGL			
Rating Live Load:		SU5			
Gamma	DC	DW	(2-Lane)		(1-Lane)
	1.25	1.25	LL	LL	LL
			1.60		1.60

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	218.4	39.5	377.07 R		283.51	281.95 R			211.99	
1.200	443.0	70.2	654.95 R		492.44	489.73 R			368.21	
1.300	581.4	92.1	842.64 R		633.56	630.07 R			473.74	
1.400	664.5	105.3	957.06 R		719.59	715.63 R			538.07	
1.500	692.1	109.7	972.29 R		731.04	727.01 R			546.62	
1.600	664.5	105.3	957.06 R		719.59	715.63 R			538.07	
1.700	581.4	92.1	842.64 R		633.56	630.07 R			473.74	
1.800	443.0	70.2	654.95 R		492.44	489.73 R			368.21	
1.900	249.2	39.5	377.07 R		283.51	281.95 R			211.99	
1.949	128.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01							
Member I. D.		G15							
Rating Type:		I-LEGL							
Rating Live Load:		SU5							
Span	Moment Resistance				Available Resistance for LL+I				
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8	
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01					
Member I. D.		G15					
Rating Type:		I-LEGL					
Rating Live Load:		SU5					
Moment							
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)	

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1.051	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.100	15.48	999.00	15.48	999.00	0.00 480.0 (2-Lane)
1.100	20.71	999.00	20.71	999.00	0.00 642.0 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00 264.3 (2-Lane)
1.200	11.40	999.00	11.40	999.00	0.00 353.5 (1-Lane)
1.300	6.44	999.00	6.44	999.00	0.00 199.5 (2-Lane)
1.300	8.61	999.00	8.61	999.00	0.00 266.8 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00 172.6 (2-Lane)
1.400	7.44	999.00	7.44	999.00	0.00 230.8 (1-Lane)
1.500	5.45	999.00	5.45	999.00	0.00 168.8 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00 225.8 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00 172.5 (2-Lane)
1.600	7.44	999.00	7.44	999.00	0.00 230.8 (1-Lane)
1.700	6.44	999.00	6.44	999.00	0.00 199.5 (2-Lane)
1.700	8.61	999.00	8.61	999.00	0.00 266.8 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00 264.3 (2-Lane)
1.800	11.40	999.00	11.40	999.00	0.00 353.5 (1-Lane)
1.900	15.40	999.00	15.40	999.00	0.00 477.5 (2-Lane)
1.900	20.60	999.00	20.60	999.00	0.00 638.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	78.76	59.22	68.62	51.59
1.100	43.8	6.2	74.03	55.66	64.50	48.49
1.200	29.3	4.6	64.29	48.34	56.01	42.11
1.300	19.5	3.1	54.55	41.02	47.53	35.74
1.400	9.8	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-6.2	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-13.9	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	94.4	30.6	124.9	-136.2	113.6 (2-Lane)
1.400	97.5	30.6	128.1	-139.4	116.8 (1-Lane)
1.500	56.7	48.2	105.0	-105.0	105.0 (2-Lane)
1.500	57.2	48.2	105.5	-105.5	105.5 (1-Lane)
1.600	94.4	30.6	124.9	-113.6	136.2 (2-Lane)
1.600	97.5	30.6	128.1	-116.8	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.72	0.00	53.3 (2-Lane)
1.051	213.76	1.97	0.00	61.2 (1-Lane)
1.100	77.49	2.27	0.00	70.4 (2-Lane)
1.100	88.94	2.61	0.00	80.8 (1-Lane)
1.200	22.10	2.23	0.00	69.0 (2-Lane)
1.200	25.37	2.56	0.00	79.2 (1-Lane)
1.300	12.27	3.05	0.00	94.6 (2-Lane)
1.300	14.08	3.50	0.00	108.6 (1-Lane)
1.400	5.38	2.54	0.00	78.6 (2-Lane)
1.400	6.31	2.99	0.00	92.7 (1-Lane)
1.500	2.99	2.99	0.00	92.8 (2-Lane)
1.500	3.45	3.45	0.00	107.0 (1-Lane)
1.600	2.54	5.38	0.00	78.6 (2-Lane)
1.600	2.99	6.31	0.00	92.7 (1-Lane)
1.700	3.05	12.27	0.00	94.6 (2-Lane)
1.700	3.50	14.08	0.00	108.6 (1-Lane)
1.800	2.23	22.10	0.00	69.0 (2-Lane)
1.800	2.56	25.37	0.00	79.2 (1-Lane)
1.900	2.42	77.97	0.00	75.1 (2-Lane)
1.900	2.78	89.49	0.00	86.2 (1-Lane)
1.949	1.79	186.87	0.00	55.6 (2-Lane)
1.949	2.06	214.48	0.00	63.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LG
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	188.54 R	141.76	140.97 R	106.00
1.200	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.300	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.400	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.500	692.1	109.7	486.14 R	365.52	363.51 R	273.31
1.600	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.700	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.800	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.900	249.2	39.5	188.54 R	141.76	140.97 R	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
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1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	397.96 R	299.22	297.57 R	223.74
1.200	443.0	70.2	717.98 R	539.83	536.86 R	403.65
1.300	581.4	92.1	932.71 R	701.29	697.42 R	524.38
1.400	664.5	105.3	1052.03 R	791.00	786.64 R	591.46
1.500	692.1	109.7	1083.54 R	814.69	810.20 R	609.17
1.600	664.5	105.3	1052.03 R	791.00	786.64 R	591.46
1.700	581.4	92.1	932.71 R	701.29	697.42 R	524.38
1.800	443.0	70.2	717.98 R	539.83	536.86 R	403.65
1.900	249.2	39.5	397.96 R	299.22	297.57 R	223.74
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.67	999.00	14.67	999.00	0.00	509.9 (2-Lane)
1.100	19.62	999.00	19.62	999.00	0.00	681.9 (1-Lane)
1.200	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.200	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.300	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.400	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.400	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.500	4.89	999.00	4.89	999.00	0.00	169.8 (2-Lane)
1.500	6.53	999.00	6.53	999.00	0.00	227.1 (1-Lane)
1.600	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.600	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.700	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.800	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.800	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.2 (2-Lane)
1.900	19.52	999.00	19.52	999.00	0.00	678.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.60		1.60	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00		0.00		0.00	
1.051	46.2	6.9	83.43		62.73		72.69	
1.100	43.8	6.2	78.13		58.74		68.07	
1.200	29.3	4.6	67.21		50.54		58.56	
1.300	19.5	3.1	56.30		42.33		49.05	
1.400	9.8	1.5	45.38		34.12		39.54	
							29.73	

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1.500	0.0	0.0	34.47	25.92	30.03
1.600	-9.8	-1.5	-45.38	-34.12	-39.54
1.700	-19.5	-3.1	-56.30	-42.33	-49.05
1.800	-29.3	-4.6	-67.21	-50.54	-58.56
1.900	-39.0	-6.2	-78.13	-58.74	-68.07
1.949	-43.7	-13.9	-83.43	-62.73	-72.69
2.000	-48.8	0.0	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-LEGL

Rating Live Load:

SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.2	30.6	121.8	-133.1	110.5 (2-Lane)
1.400	94.7	30.6	125.3	-136.6	114.0 (1-Lane)
1.500	53.4	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	54.2	48.2	102.4	-102.4	102.4 (1-Lane)
1.600	91.2	30.6	121.8	-110.5	133.1 (2-Lane)
1.600	94.7	30.6	125.3	-114.0	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G15

Rating Type:

I-LEGL

Rating Live Load:

SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.62	0.00	56.4 (2-Lane)
1.051	316.00	1.86	0.00	64.7 (1-Lane)
1.100	131.03	2.15	0.00	74.7 (2-Lane)
1.100	150.39	2.47	0.00	85.8 (1-Lane)
1.200	27.93	2.13	0.00	74.0 (2-Lane)
1.200	32.06	2.44	0.00	84.9 (1-Lane)
1.300	13.67	2.96	0.00	102.8 (2-Lane)
1.300	15.69	3.39	0.00	118.0 (1-Lane)
1.400	5.41	2.43	0.00	84.6 (2-Lane)
1.400	6.37	2.88	0.00	100.2 (1-Lane)
1.500	2.95	2.95	0.00	102.5 (2-Lane)
1.500	3.41	3.41	0.00	118.5 (1-Lane)
1.600	2.43	5.41	0.00	84.6 (2-Lane)
1.600	2.88	6.38	0.00	100.2 (1-Lane)
1.700	2.96	13.67	0.00	102.8 (2-Lane)
1.700	3.39	15.69	0.00	118.0 (1-Lane)
1.800	2.13	27.93	0.00	74.0 (2-Lane)
1.800	2.44	32.06	0.00	84.9 (1-Lane)
1.900	2.30	131.85	0.00	79.8 (2-Lane)
1.900	2.63	151.32	0.00	91.5 (1-Lane)
1.949	1.69	276.24	0.00	58.8 (2-Lane)
1.949	1.94	317.06	0.00	67.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LG
Rating Live Load: SU6

Gamma	DC	DW	LL		
	1.00	1.00	0.80	(2-Lane)	(1-Lane)
					0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	198.98 R	149.61	148.79 R	111.87
1.200	443.0	70.2	358.99 R	269.92	268.43 R	201.83
1.300	581.4	92.1	466.36 R	350.64	348.71 R	262.19
1.400	664.5	105.3	526.02 R	395.50	393.32 R	295.73
1.500	692.1	109.7	541.77 R	407.35	405.10 R	304.59
1.600	664.5	105.3	526.02 R	395.50	393.32 R	295.73
1.700	581.4	92.1	466.36 R	350.64	348.71 R	262.19
1.800	443.0	70.2	358.99 R	269.92	268.43 R	201.83
1.900	249.2	39.5	198.98 R	149.61	148.79 R	111.87
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2887

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2888

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)

1.800	28.20	999.00	8.57	999.00	0.00	297.7	(2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2	(1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5	(2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2889

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	416.40 R	313.08	311.35 R	234.10
1.200	443.0	70.2	751.06 R	564.71	561.60 R	422.25
1.300	581.4	92.1	1004.00 R	754.88	750.72 R	564.45
1.400	664.5	105.3	1135.75 R	853.95	849.24 R	638.53
1.500	692.1	109.7	1175.91 R	884.14	879.27 R	661.11
1.600	664.5	105.3	1135.75 R	853.95	849.24 R	638.53
1.700	581.4	92.1	1004.00 R	754.88	750.72 R	564.45
1.800	443.0	70.2	751.06 R	564.71	561.60 R	422.25
1.900	249.2	39.5	416.40 R	313.08	311.35 R	234.10
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2890

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2891

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.02	999.00	14.02	999.00	0.00	543.4 (2-Lane)
1.100	18.75	999.00	18.75	999.00	0.00	726.7 (1-Lane)
1.200	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)

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1.300	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.300	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.400	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.400	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.500	4.50	999.00	4.50	999.00	0.00	174.5 (2-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	233.4 (1-Lane)
1.600	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.600	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.700	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.700	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.800	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.900	13.95	999.00	13.95	999.00	0.00	540.5 (2-Lane)
1.900	18.66	999.00	18.66	999.00	0.00	722.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2892

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU7

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.60		1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	87.66	65.91	76.38	57.43
1.100	43.8	6.2	81.75	61.46	71.22	53.55
1.200	29.3	4.6	69.57	52.31	60.62	45.58
1.300	19.5	3.1	57.40	43.16	50.01	37.60
1.400	9.8	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-6.2	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-13.9	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.9	30.6	118.5	-129.8	107.2 (2-Lane)
1.400	91.7	30.6	122.3	-133.6	111.0 (1-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	51.4	48.2	99.7	-99.7	99.7 (1-Lane)
1.600	87.9	30.6	118.5	-107.2	129.8 (2-Lane)
1.600	91.7	30.6	122.3	-111.0	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2894

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
Rating Type: I-LEGL
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.54	0.00	59.9 (2-Lane)
1.051	316.00	1.77	0.00	68.7 (1-Lane)
1.100	148.41	2.06	0.00	79.6 (2-Lane)
1.100	170.33	2.36	0.00	91.4 (1-Lane)
1.200	36.88	2.06	0.00	79.7 (2-Lane)
1.200	42.33	2.36	0.00	91.5 (1-Lane)
1.300	15.68	2.90	0.00	112.4 (2-Lane)
1.300	18.00	3.33	0.00	129.0 (1-Lane)
1.400	5.59	2.37	0.00	91.9 (2-Lane)
1.400	6.61	2.82	0.00	109.1 (1-Lane)
1.500	2.94	2.94	0.00	114.0 (2-Lane)
1.500	3.41	3.41	0.00	132.0 (1-Lane)
1.600	2.37	5.59	0.00	91.9 (2-Lane)
1.600	2.82	6.61	0.00	109.1 (1-Lane)
1.700	2.90	15.68	0.00	112.4 (2-Lane)
1.700	3.33	18.00	0.00	129.0 (1-Lane)
1.800	2.06	36.88	0.00	79.7 (2-Lane)
1.800	2.36	42.33	0.00	91.5 (1-Lane)
1.900	2.19	149.33	0.00	85.0 (2-Lane)
1.900	2.52	171.39	0.00	97.6 (1-Lane)
1.949	1.61	276.24	0.00	62.4 (2-Lane)
1.949	1.85	317.06	0.00	71.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2895

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05	117.05	117.05
1.200	443.0	70.2	375.53 R	282.35	280.80 R	211.13	211.13	211.13
1.300	581.4	92.1	502.00 R	377.44	375.36 R	282.23	282.23	282.23
1.400	664.5	105.3	567.88 R	426.97	424.62 R	319.26	319.26	319.26
1.500	692.1	109.7	587.96 R	442.07	439.63 R	330.55	330.55	330.55
1.600	664.5	105.3	567.88 R	426.97	424.62 R	319.26	319.26	319.26
1.700	581.4	92.1	502.00 R	377.44	375.36 R	282.23	282.23	282.23
1.800	443.0	70.2	375.53 R	282.35	280.80 R	211.13	211.13	211.13
1.900	249.2	39.5	208.20 R	156.54	155.68 R	117.05	117.05	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2895

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15
Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1

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1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2896

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G15

Rating Type: III-LGL S

Rating Live Load: SU7

Span	Service				Rating Value	Load Resistance (tons)	
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6	(2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0	(1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2	(2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7	(1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3	(2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8	(1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2	(2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1	(1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4	(2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5	(1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0	(2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS

Year of Construction 1963

Roadway Width 55.500

Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000

System Factor: 1.000

ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.495	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Member ID G16 01-IG016
Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:
Span Range Range Section Section Section Hinge Location
No. Range Length Left Right Variation No. 1 No. 2
1 1 56.786 1 0 0.0 0.0

Range Length -- Composite:
Span Range Range Composite
No. Range Length Code
1 1 56.786 C

Superimposed Dead Load:
Span Load Dist. from Distributed Load (lbs/ft) Concentrated
No. Type Left Supp. Left Right Length Load (kips)
1 W 0.000 217.7 217.7 56.786 0.0
1 Z 0.000 169.9 169.9 56.786 0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Modulus Top	Section Modulus Bott.	Ecc	Prestressing Force Fi	Prestressing Force Total	Prestressing Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6	770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8	814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9	812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3	805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9	795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7	780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8	771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Span	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia (n=n)	Moment of Inertia (n=3n)	Section Modulus Top	Section Modulus Bott.	Ecc	Prestressing Force Fi	Prestressing Force Total	Prestressing Force Ff
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6		
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6		
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6		
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6		
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6		

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1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	

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LOAD ANALYSIS AND RATING SYSTEM

-- ASD/LFD/LRFD

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SECTION STRENGTH (N=3N)

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.		G16				
Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area Dy		
1.000	80.00	7.50	6.00	0.00	0.00	
1.051	80.00	7.50	6.00	0.00	0.00	
1.100	80.00	7.50	6.00	0.00	0.00	
1.200	80.00	7.50	6.00	0.00	0.00	
1.300	80.00	7.50	6.00	0.00	0.00	
1.400	80.00	7.50	6.00	0.00	0.00	
1.500	80.00	7.50	6.00	0.00	0.00	
1.600	80.00	7.50	6.00	0.00	0.00	
1.700	80.00	7.50	6.00	0.00	0.00	
1.800	80.00	7.50	6.00	0.00	0.00	
1.900	80.00	7.50	6.00	0.00	0.00	
1.949	80.00	7.50	6.00	0.00	0.00	
2.000	80.00	7.50	6.00	0.00	0.00	

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.		G16								
Rating Type:		I-INV								
Rating Live Load:		HL93								
Gamma		DC		DW		(2-Lane)		(1-Lane)		
		1.25		1.25		LL 1.75		LL 1.75		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.		G16				
Rating Type:		I-INV				
Rating Live Load:		HL93				
Span	Moment Resistance		Negative Bending Bott.	Bending Bott.	Available Resistance for LL+I	
	Positive Top	Bending Bott.			Positive Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	0.0

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G16

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.1 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.3 (1-Lane)
1.200	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.200	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.300	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.300	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.400	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	132.2 (2-Lane)
1.500	4.91	999.00	4.91	999.00	0.00	176.7 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.600	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.700	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.700	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.800	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.800	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.900	10.17	999.00	10.17	999.00	0.00	366.2 (2-Lane)
1.900	13.60	999.00	13.60	999.00	0.00	489.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	118.11	0.00	94.04	0.00	102.90	0.00
1.100	43.8	6.2	109.99	0.00	87.42	0.00	95.83	0.00
1.200	29.3	4.6	93.63	0.00	74.13	0.00	81.58	0.00
1.300	19.5	3.1	77.74	0.00	61.31	0.00	67.74	0.00
1.400	9.8	1.5	62.33	0.00	48.96	0.00	54.30	0.00
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00
1.600	-9.8	-1.5	-62.33	0.00	-48.96	0.00	-54.30	0.00
1.700	-19.5	-3.1	-77.74	0.00	-61.31	0.00	-67.74	0.00
1.800	-29.3	-4.6	-93.63	0.00	-74.13	0.00	-81.58	0.00
1.900	-39.0	-6.2	-109.99	0.00	-87.41	0.00	-95.83	0.00
1.949	-43.7	-13.9	-118.11	0.00	-94.04	0.00	-102.90	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)

1.400	96.9	30.6	127.5	-138.8	116.2 (2-Lane)
1.400	101.9	30.6	132.5	-143.8	121.2 (1-Lane)
1.500	59.7	48.2	108.0	-108.0	108.0 (2-Lane)
1.500	61.6	48.2	109.8	-109.8	109.8 (1-Lane)
1.600	96.9	30.6	127.5	-116.2	138.8 (2-Lane)
1.600	101.9	30.6	132.5	-121.2	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.15	0.00	41.3 (2-Lane)
1.051	103.83	1.32	0.00	47.4 (1-Lane)
1.100	48.17	1.53	0.00	55.0 (2-Lane)
1.100	55.29	1.75	0.00	63.1 (1-Lane)
1.200	13.98	1.53	0.00	55.0 (2-Lane)
1.200	16.04	1.75	0.00	63.2 (1-Lane)
1.300	8.52	2.14	0.00	77.1 (2-Lane)
1.300	9.78	2.46	0.00	88.5 (1-Lane)
1.400	3.96	1.87	0.00	67.1 (2-Lane)
1.400	4.70	2.23	0.00	80.3 (1-Lane)
1.500	2.28	2.28	0.00	82.0 (2-Lane)
1.500	2.66	2.66	0.00	95.8 (1-Lane)
1.600	1.87	3.96	0.00	67.1 (2-Lane)
1.600	2.23	4.70	0.00	80.3 (1-Lane)
1.700	2.14	8.52	0.00	77.1 (2-Lane)
1.700	2.46	9.78	0.00	88.5 (1-Lane)
1.800	1.53	13.98	0.00	55.0 (2-Lane)
1.800	1.75	16.04	0.00	63.2 (1-Lane)
1.900	1.63	46.51	0.00	58.7 (2-Lane)
1.900	1.87	53.38	0.00	67.4 (1-Lane)
1.949	1.20	88.82	0.00	43.0 (2-Lane)
1.949	1.37	101.94	0.00	49.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2905

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-IN

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.700	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.800	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.900	199.3	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2905

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating		Factor		Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.58	999.00	12.96	999.00	0.00	466.5 (2-Lane)
1.100	56.94	999.00	17.33	999.00	0.00	623.9 (1-Lane)
1.200	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.200	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.300	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.300	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.400	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.400	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.500	13.55	999.00	4.12	999.00	0.00	148.5 (2-Lane)
1.500	18.12	999.00	5.52	999.00	0.00	198.6 (1-Lane)
1.600	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.600	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.700	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.700	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.800	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.800	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.900	42.34	999.00	12.84	999.00	0.00	462.4 (2-Lane)
1.900	56.62	999.00	17.18	999.00	0.00	618.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2907

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00

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1.200	443.0	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25
1.300	581.4	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13
1.400	664.5	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57
1.500	692.1	109.7	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89
1.600	664.5	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57
1.700	581.4	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13
1.800	443.0	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25
1.900	249.2	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2908

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2909

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	12.60	999.00	12.60	999.00	251.99	453.6 (2-Lane)
1.100	16.85	999.00	16.85	999.00	337.01	606.6 (1-Lane)
1.200	6.97	999.00	6.97	999.00	139.44	251.0 (2-Lane)
1.200	9.32	999.00	9.32	999.00	186.48	335.7 (1-Lane)
1.300	5.36	999.00	5.36	999.00	107.15	192.9 (2-Lane)
1.300	7.16	999.00	7.16	999.00	143.30	257.9 (1-Lane)
1.400	4.70	999.00	4.70	999.00	94.10	169.4 (2-Lane)
1.400	6.29	999.00	6.29	999.00	125.84	226.5 (1-Lane)
1.500	4.63	999.00	4.63	999.00	92.61	166.7 (2-Lane)
1.500	6.19	999.00	6.19	999.00	123.86	222.9 (1-Lane)
1.600	4.70	999.00	4.70	999.00	94.10	169.4 (2-Lane)
1.600	6.29	999.00	6.29	999.00	125.84	226.5 (1-Lane)
1.700	5.36	999.00	5.36	999.00	107.15	192.9 (2-Lane)
1.700	7.16	999.00	7.16	999.00	143.30	257.9 (1-Lane)
1.800	6.97	999.00	6.97	999.00	139.44	251.0 (2-Lane)
1.800	9.32	999.00	9.32	999.00	186.48	335.7 (1-Lane)
1.900	12.53	999.00	12.53	999.00	250.66	451.2 (2-Lane)
1.900	16.76	999.00	16.76	999.00	335.23	603.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2910

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type:		I-INV								
Rating Live Load:		HS20		(2-Lane)		(1-Lane)				
Gamma	DC	DW	LL	LL	LL	LL	LL	LL	LL	
	1.25	1.25	1.75	1.75	1.75	1.75	1.75	1.75	1.75	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	96.99	0.00	72.93	0.00	84.51	0.00	63.54	0.00
1.100	43.8	6.2	90.98	0.00	68.41	0.00	79.27	0.00	59.60	0.00
1.200	29.3	4.6	78.61	0.00	59.11	0.00	68.49	0.00	51.50	0.00
1.300	19.5	3.1	66.24	0.00	49.81	0.00	57.72	0.00	43.40	0.00
1.400	9.8	1.5	53.88	0.00	40.51	0.00	46.94	0.00	35.29	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19	0.00
1.600	-9.8	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29	0.00
1.700	-19.5	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40	0.00
1.800	-29.3	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50	0.00
1.900	-39.0	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60	0.00
1.949	-43.7	-13.9	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2911

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	98.4	30.6	128.9	-140.2	117.7 (2-Lane)
1.400	102.4	30.6	132.9	-144.2	121.7 (1-Lane)
1.500	60.2	48.2	108.5	-108.5	108.5 (2-Lane)
1.500	61.3	48.2	109.6	-109.6	109.6 (1-Lane)
1.600	98.4	30.6	129.0	-117.7	140.2 (2-Lane)
1.600	102.4	30.6	133.0	-121.7	144.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2912

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: HS20

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.40	27.92	50.3 (2-Lane)
1.051	103.83	1.60	32.05	57.7 (1-Lane)
1.100	48.76	1.85	36.93	66.5 (2-Lane)
1.100	55.97	2.12	42.39	76.3 (1-Lane)
1.200	19.18	1.82	36.42	65.5 (2-Lane)
1.200	22.02	2.09	41.80	75.2 (1-Lane)
1.300	10.90	2.51	50.27	90.5 (2-Lane)
1.300	12.51	2.88	57.70	103.9 (1-Lane)
1.400	4.61	2.18	43.67	78.6 (2-Lane)
1.400	5.44	2.59	51.83	93.3 (1-Lane)
1.500	2.61	2.61	52.26	94.1 (2-Lane)
1.500	3.03	3.03	60.59	109.1 (1-Lane)
1.600	2.18	4.61	43.68	78.6 (2-Lane)
1.600	2.59	5.44	51.83	93.3 (1-Lane)
1.700	2.51	10.90	50.27	90.5 (2-Lane)
1.700	2.88	12.51	57.70	103.9 (1-Lane)

1.800	1.82	19.18	36.42	65.5 (2-Lane)
1.800	2.09	22.02	41.80	75.2 (1-Lane)
1.900	1.97	49.06	39.42	71.0 (2-Lane)
1.900	2.26	56.31	45.24	81.4 (1-Lane)
1.949	1.46	90.77	29.12	52.4 (2-Lane)
1.949	1.67	104.18	33.42	60.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2913

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S

Rating Live Load: HS20

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	52.46	999.00	15.97	999.00	319.35	574.8 (2-Lane)
1.100	70.16	999.00	21.35	999.00	427.09	768.8 (1-Lane)

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1.200	27.66	999.00	8.40	999.00	168.02	302.4	(2-Lane)
1.200	36.99	999.00	11.24	999.00	224.71	404.5	(1-Lane)
1.300	20.45	999.00	6.22	999.00	124.38	223.9	(2-Lane)
1.300	27.35	999.00	8.32	999.00	166.34	299.4	(1-Lane)
1.400	17.51	999.00	5.33	999.00	106.62	191.9	(2-Lane)
1.400	23.42	999.00	7.13	999.00	142.59	256.7	(1-Lane)
1.500	17.09	999.00	5.20	999.00	104.06	187.3	(2-Lane)
1.500	22.85	999.00	6.96	999.00	139.16	250.5	(1-Lane)
1.600	17.51	999.00	5.33	999.00	106.62	191.9	(2-Lane)
1.600	23.42	999.00	7.13	999.00	142.59	256.7	(1-Lane)
1.700	20.45	999.00	6.22	999.00	124.38	223.9	(2-Lane)
1.700	27.35	999.00	8.32	999.00	166.34	299.4	(1-Lane)
1.800	27.66	999.00	8.40	999.00	168.02	302.4	(2-Lane)
1.800	36.99	999.00	11.24	999.00	224.71	404.5	(1-Lane)
1.900	52.17	999.00	15.83	999.00	316.51	569.7	(2-Lane)
1.900	69.77	999.00	21.17	999.00	423.29	761.9	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.36	999.00	17.36	999.00	0.00	433.9 (2-Lane)
1.100	23.21	999.00	23.21	999.00	0.00	580.3 (1-Lane)
1.200	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.200	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.300	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.300	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.400	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.400	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.500	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.500	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.600	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.600	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.700	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.700	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.800	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.800	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.900	17.26	999.00	17.26	999.00	0.00	431.6 (2-Lane)
1.900	23.09	999.00	23.09	999.00	0.00	577.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.22	0.00	52.80	0.00	61.18	0.00	46.00
1.100	43.8	6.2	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	29.3	4.6	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	19.5	3.1	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	9.8	1.5	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-9.8	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-19.5	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-29.3	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-39.0	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.949	-43.7	-13.9	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.4	30.6	123.9	-135.2	112.6 (2-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (1-Lane)
1.500	55.3	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (1-Lane)
1.600	93.4	30.6	123.9	-112.6	135.2 (2-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)

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1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.93	0.00	48.2 (2-Lane)
1.051	195.44	2.21	0.00	55.3 (1-Lane)
1.100	70.85	2.54	0.00	63.6 (2-Lane)
1.100	81.31	2.92	0.00	73.0 (1-Lane)
1.200	21.92	2.49	0.00	62.3 (2-Lane)
1.200	25.15	2.86	0.00	71.5 (1-Lane)
1.300	13.69	3.41	0.00	85.2 (2-Lane)
1.300	15.71	3.91	0.00	97.8 (1-Lane)
1.400	5.85	2.80	0.00	69.9 (2-Lane)
1.400	6.85	3.28	0.00	82.1 (1-Lane)
1.500	3.27	3.27	0.00	81.6 (2-Lane)
1.500	3.75	3.75	0.00	93.8 (1-Lane)
1.600	2.80	5.85	0.00	69.9 (2-Lane)
1.600	3.28	6.85	0.00	82.1 (1-Lane)
1.700	3.41	13.69	0.00	85.2 (2-Lane)
1.700	3.91	15.71	0.00	97.8 (1-Lane)
1.800	2.49	21.92	0.00	62.3 (2-Lane)
1.800	2.86	25.15	0.00	71.5 (1-Lane)
1.900	2.71	71.29	0.00	67.9 (2-Lane)
1.900	3.12	81.82	0.00	77.9 (1-Lane)
1.949	2.01	170.85	0.00	50.3 (2-Lane)
1.949	2.31	196.10	0.00	57.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-IN

Rating Live Load: 3

(2-Lane) (1-Lane)

Gamma DC DW LL LL

1.00 1.00 0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2921

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type:	3							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S

Rating Live Load: 3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2923

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25		1.25		1.75		1.75	
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00
1.200	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00
1.300	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00
1.400	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00
1.500	692.1	109.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00
1.600	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00
1.700	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00
1.800	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00
1.900	249.2	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00

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1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2925

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.71	999.00	14.71	999.00	0.00	588.3 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	786.8 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.200	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.500	5.69	999.00	5.69	999.00	0.00	227.7 (2-Lane)
1.500	7.61	999.00	7.61	999.00	0.00	304.5 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.800	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.900	14.63	999.00	14.63	999.00	0.00	585.2 (2-Lane)
1.900	19.57	999.00	19.57	999.00	0.00	782.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	DC	LL	DW	LL	LL	LL	LL	LL
	1.25		1.25		1.75			1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	67.45	50.72	0.00	58.77	0.00	44.19
1.100	43.8	6.2	77.94	0.00	58.60	0.00	67.91	0.00
1.200	29.3	4.6	64.20	0.00	48.27	0.00	55.93	0.00
1.300	19.5	3.1	50.91	0.00	38.28	0.00	44.36	0.00
1.400	9.8	1.5	39.54	0.00	29.73	0.00	34.45	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00
1.600	-9.8	-1.5	-39.54	0.00	-29.73	0.00	-34.45	0.00
1.700	-19.5	-3.1	-50.91	0.00	-38.28	0.00	-44.36	0.00
1.800	-29.3	-4.6	-64.20	0.00	-48.27	0.00	-55.93	0.00
1.900	-39.0	-6.2	-77.94	0.00	-58.60	0.00	-67.91	0.00
1.949	-43.7	-13.9	-84.62	0.00	-63.62	0.00	-73.72	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.8	30.6	118.4	-129.7	107.1 (2-Lane)
1.400	90.8	30.6	121.4	-132.7	110.1 (1-Lane)
1.500	49.2	48.2	97.4	-97.4	97.4 (2-Lane)
1.500	49.5	48.2	97.7	-97.7	97.7 (1-Lane)
1.600	87.8	30.6	118.4	-107.1	129.7 (2-Lane)
1.600	90.8	30.6	121.4	-110.1	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	2.01	0.00	80.3 (2-Lane)
1.051	195.44	2.30	0.00	92.2 (1-Lane)
1.100	70.85	2.16	0.00	86.2 (2-Lane)
1.100	81.31	2.47	0.00	99.0 (1-Lane)
1.200	21.92	2.23	0.00	89.2 (2-Lane)
1.200	25.15	2.56	0.00	102.4 (1-Lane)
1.300	13.69	3.27	0.00	130.8 (2-Lane)
1.300	15.71	3.75	0.00	150.2 (1-Lane)
1.400	6.09	2.71	0.00	108.3 (2-Lane)
1.400	7.15	3.20	0.00	127.9 (1-Lane)
1.500	3.43	3.43	0.00	137.3 (2-Lane)
1.500	3.95	3.95	0.00	158.1 (1-Lane)
1.600	2.71	6.09	0.00	108.3 (2-Lane)
1.600	3.20	7.15	0.00	127.9 (1-Lane)
1.700	3.27	13.69	0.00	130.8 (2-Lane)
1.700	3.75	15.71	0.00	150.2 (1-Lane)
1.800	2.23	21.92	0.00	89.2 (2-Lane)
1.800	2.56	25.15	0.00	102.4 (1-Lane)
1.900	2.30	71.29	0.00	92.0 (2-Lane)
1.900	2.64	81.82	0.00	105.6 (1-Lane)
1.949	1.67	170.85	0.00	66.8 (2-Lane)

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1.949 1.92 196.10 0.00 76.6 (1-Lane)
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-IN

Rating Live Load: 3S2

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	56.2	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2930

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S

Rating Live Load: 3S2

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)

1.500	21.01	999.00	6.40	999.00	0.00	255.8	(2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1	(1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8	(2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7	(1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2	(2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4	(1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5	(2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3	(1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9	(2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2931

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.200	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.300	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.400	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.500	692.1	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23	0.00
1.600	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10	0.00
1.700	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14	0.00
1.800	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21	0.00
1.900	249.2	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2932

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2933

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	17.14	999.00	17.14	999.00	0.00 685.5 (2-Lane)
1.100	22.92	999.00	22.92	999.00	0.00 916.8 (1-Lane)
1.200	9.93	999.00	9.93	999.00	0.00 397.1 (2-Lane)
1.200	13.28	999.00	13.28	999.00	0.00 531.1 (1-Lane)
1.300	7.70	999.00	7.70	999.00	0.00 307.9 (2-Lane)
1.300	10.29	999.00	10.29	999.00	0.00 411.7 (1-Lane)
1.400	7.20	999.00	7.20	999.00	0.00 287.9 (2-Lane)
1.400	9.63	999.00	9.63	999.00	0.00 385.0 (1-Lane)
1.500	6.75	999.00	6.75	999.00	0.00 269.9 (2-Lane)
1.500	9.02	999.00	9.02	999.00	0.00 360.9 (1-Lane)
1.600	7.20	999.00	7.20	999.00	0.00 287.9 (2-Lane)
1.600	9.63	999.00	9.63	999.00	0.00 385.0 (1-Lane)
1.700	7.70	999.00	7.70	999.00	0.00 307.9 (2-Lane)
1.700	10.29	999.00	10.29	999.00	0.00 411.7 (1-Lane)
1.800	9.93	999.00	9.93	999.00	0.00 397.1 (2-Lane)
1.800	13.28	999.00	13.28	999.00	0.00 531.1 (1-Lane)
1.900	17.05	999.00	17.05	999.00	0.00 681.9 (2-Lane)
1.900	22.80	999.00	22.80	999.00	0.00 911.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2934

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3-3

Gamma		DC	DW	(2-Lane) LL	(1-Lane) LL
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.57	0.00	54.56	0.00	63.22	0.00	47.54	0.00
1.100	43.8	6.2	66.89	0.00	50.29	0.00	58.28	0.00	43.82	0.00
1.200	29.3	4.6	55.21	0.00	41.51	0.00	48.10	0.00	36.17	0.00
1.300	19.5	3.1	43.53	0.00	32.73	0.00	37.92	0.00	28.51	0.00
1.400	9.8	1.5	33.97	0.00	25.54	0.00	29.60	0.00	22.26	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00	23.02	0.00	17.30	0.00
1.600	-9.8	-1.5	-33.97	0.00	-25.54	0.00	-29.60	0.00	-22.26	0.00
1.700	-19.5	-3.1	-43.53	0.00	-32.73	0.00	-37.92	0.00	-28.51	0.00
1.800	-29.3	-4.6	-55.21	0.00	-41.51	0.00	-48.10	0.00	-36.17	0.00
1.900	-39.0	-6.2	-66.89	0.00	-50.29	0.00	-58.28	0.00	-43.82	0.00
1.949	-43.7	-13.9	-72.57	0.00	-54.56	0.00	-63.22	0.00	-47.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2935

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.7	30.6	119.2	-130.5	107.9 (2-Lane)
1.400	90.8	30.6	121.3	-132.6	110.0 (1-Lane)
1.500	49.8	48.2	98.0	-98.0	98.0 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)
1.600	88.7	30.6	119.2	-108.0	130.5 (2-Lane)
1.600	90.8	30.6	121.3	-110.0	132.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2936

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	206.77	1.87	0.00	74.6 (2-Lane)
1.051	237.32	2.14	0.00	85.7 (1-Lane)
1.100	86.03	2.51	0.00	100.5 (2-Lane)
1.100	98.74	2.88	0.00	115.3 (1-Lane)
1.200	26.61	2.59	0.00	103.7 (2-Lane)
1.200	30.55	2.98	0.00	119.0 (1-Lane)
1.300	16.62	3.83	0.00	153.0 (2-Lane)
1.300	19.08	4.39	0.00	175.6 (1-Lane)
1.400	6.92	3.18	0.00	127.1 (2-Lane)
1.400	8.07	3.72	0.00	148.7 (1-Lane)
1.500	3.71	3.71	0.00	148.4 (2-Lane)
1.500	4.25	4.25	0.00	170.0 (1-Lane)
1.600	3.18	6.92	0.00	127.1 (2-Lane)
1.600	3.72	8.07	0.00	148.7 (1-Lane)
1.700	3.83	16.62	0.00	153.0 (2-Lane)
1.700	4.39	19.08	0.00	175.6 (1-Lane)
1.800	2.59	26.61	0.00	103.7 (2-Lane)
1.800	2.98	30.55	0.00	119.0 (1-Lane)
1.900	2.68	86.56	0.00	107.2 (2-Lane)
1.900	3.08	99.35	0.00	123.1 (1-Lane)
1.949	1.95	207.47	0.00	77.8 (2-Lane)
1.949	2.23	238.12	0.00	89.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2937

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2937

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3-3

Rating Live Load:

Span	Service Resistance	Available Resistance for LL+I
	Positive Bending Negative Bending	Positive Bending Negative Bending
	Top Bott. Top Bott.	Top Bott. Top Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S

Rating Live Load: 3-3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2939

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00
1.200	443.0	70.2	648.73 R	0.00	487.76	0.00
1.300	581.4	92.1	831.35 R	0.00	625.07	0.00
1.400	664.5	105.3	947.82 R	0.00	712.65	0.00
1.500	692.1	109.7	974.73 R	0.00	732.88	0.00
1.600	664.5	105.3	947.82 R	0.00	712.65	0.00
1.700	581.4	92.1	831.35 R	0.00	625.07	0.00
1.800	443.0	70.2	648.73 R	0.00	487.76	0.00
1.900	249.2	39.5	371.61 R	0.00	279.41	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.71	999.00	15.71	999.00	0.00	424.2 (2-Lane)
1.100	21.01	999.00	21.01	999.00	0.00	567.4 (1-Lane)
1.200	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.200	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.300	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.300	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.500	5.43	999.00	5.43	999.00	0.00	146.7 (2-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	196.2 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.700	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.700	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.800	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.800	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.900	15.63	999.00	15.63	999.00	0.00	422.0 (2-Lane)
1.900	20.90	999.00	20.90	999.00	0.00	564.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU4

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	77.46	0.00	58.24	0.00	67.49	0.00	50.74	0.00
1.100	43.8	6.2	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00
1.200	29.3	4.6	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00
1.300	19.5	3.1	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00

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1.400	9.8	1.5	45.13	0.00	33.93	0.00	39.32	0.00	29.56
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49
1.600	-9.8	-1.5	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56
1.700	-19.5	-3.1	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64
1.800	-29.3	-4.6	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71
1.900	-39.0	-6.2	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79
1.949	-43.7	-13.9	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G16

Rating Type:

I-INV

Rating Live Load:

SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	95.2	30.6	125.7	-137.0	114.4 (2-Lane)
1.400	98.3	30.6	128.9	-140.2	117.6 (1-Lane)
1.500	57.6	48.2	105.9	-105.9	105.9 (2-Lane)
1.500	58.2	48.2	106.4	-106.4	106.4 (1-Lane)
1.600	95.2	30.6	125.7	-114.5	137.0 (2-Lane)
1.600	98.3	30.6	128.9	-117.6	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G16

Rating Type:

I-INV

Rating Live Load:

SU4

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.75	0.00	47.2 (2-Lane)
1.051	195.44	2.01	0.00	54.2 (1-Lane)
1.100	70.85	2.30	0.00	62.2 (2-Lane)
1.100	81.31	2.64	0.00	71.4 (1-Lane)
1.200	20.21	2.25	0.00	60.7 (2-Lane)
1.200	23.20	2.58	0.00	69.7 (1-Lane)
1.300	11.99	3.06	0.00	82.6 (2-Lane)
1.300	13.77	3.51	0.00	94.8 (1-Lane)
1.400	5.16	2.54	0.00	68.5 (2-Lane)
1.400	6.05	2.99	0.00	80.7 (1-Lane)
1.500	2.95	2.95	0.00	79.7 (2-Lane)
1.500	3.41	3.41	0.00	92.0 (1-Lane)
1.600	2.54	5.16	0.00	68.5 (2-Lane)
1.600	2.99	6.05	0.00	80.7 (1-Lane)
1.700	3.06	11.99	0.00	82.6 (2-Lane)
1.700	3.51	13.77	0.00	94.8 (1-Lane)
1.800	2.25	20.21	0.00	60.7 (2-Lane)
1.800	2.58	23.20	0.00	69.7 (1-Lane)
1.900	2.46	71.29	0.00	66.4 (2-Lane)
1.900	2.82	81.82	0.00	76.2 (1-Lane)
1.949	1.82	170.85	0.00	49.2 (2-Lane)
1.949	2.09	196.10	0.00	56.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-IN
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	553.7	87.8	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	199.3	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2945

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S
Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)

1.700	33.30	999.00	10.13	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00 280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00 374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00 532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00 712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.16	999.00	14.16	999.00	0.00	438.9 (2-Lane)
1.100	18.93	999.00	18.93	999.00	0.00	587.0 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.200	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)

1.300	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.300	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.400	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.400	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.500	4.98	999.00	4.98	999.00	0.00	154.4 (2-Lane)
1.500	6.66	999.00	6.66	999.00	0.00	206.4 (1-Lane)
1.600	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.600	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.700	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.700	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.800	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.900	14.08	999.00	14.08	999.00	0.00	436.6 (2-Lane)
1.900	18.83	999.00	18.83	999.00	0.00	583.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2950

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	86.14	0.00	64.77	0.00
1.100	43.8	6.2	80.96	0.00	60.88	0.00
1.200	29.3	4.6	70.32	0.00	52.87	0.00
1.300	19.5	3.1	59.67	0.00	44.86	0.00
1.400	9.8	1.5	49.02	0.00	36.85	0.00
1.500	0.0	0.0	38.37	0.00	28.85	0.00
1.600	-9.8	-1.5	-49.02	0.00	-36.85	0.00
1.700	-19.5	-3.1	-59.67	0.00	-44.86	0.00
1.800	-29.3	-4.6	-70.32	0.00	-52.87	0.00
1.900	-39.0	-6.2	-80.96	0.00	-60.88	0.00
1.949	-43.7	-13.9	-86.14	0.00	-64.77	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (2-Lane)
1.400	99.5	30.6	130.1	-141.4	118.8 (1-Lane)
1.500	58.5	48.2	106.8	-106.8	106.8 (2-Lane)
1.500	59.3	48.2	107.6	-107.6	107.6 (1-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (2-Lane)
1.600	99.5	30.6	130.1	-118.8	141.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2952

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
 Rating Type: I-INV
 Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.57	0.00	48.7 (2-Lane)
1.051	195.44	1.80	0.00	55.9 (1-Lane)
1.100	70.85	2.08	0.00	64.3 (2-Lane)
1.100	81.31	2.38	0.00	73.8 (1-Lane)
1.200	20.21	2.04	0.00	63.1 (2-Lane)
1.200	23.20	2.34	0.00	72.4 (1-Lane)
1.300	11.22	2.79	0.00	86.5 (2-Lane)
1.300	12.88	3.20	0.00	99.3 (1-Lane)
1.400	4.97	2.35	0.00	72.9 (2-Lane)
1.400	5.86	2.78	0.00	86.3 (1-Lane)
1.500	2.78	2.78	0.00	86.3 (2-Lane)
1.500	3.22	3.22	0.00	99.8 (1-Lane)
1.600	2.35	4.97	0.00	72.9 (2-Lane)
1.600	2.78	5.86	0.00	86.3 (1-Lane)
1.700	2.79	11.22	0.00	86.5 (2-Lane)
1.700	3.20	12.88	0.00	99.3 (1-Lane)
1.800	2.04	20.21	0.00	63.1 (2-Lane)
1.800	2.34	23.20	0.00	72.4 (1-Lane)
1.900	2.21	71.29	0.00	68.7 (2-Lane)
1.900	2.54	81.82	0.00	78.8 (1-Lane)
1.949	1.64	170.85	0.00	50.8 (2-Lane)
1.949	1.88	196.10	0.00	58.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2953

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV
 Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2953

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV
 Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3

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1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S

Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	LL	LL	LL				
			1.75	1.75		1.75				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.200	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.300	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.400	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.500	692.1	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	0.00
1.600	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	0.00
1.700	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	0.00
1.800	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	0.00
1.900	249.2	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU6

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	13.41	999.00	13.41	999.00	466.2 (2-Lane)
1.100	17.94	999.00	17.94	999.00	623.4 (1-Lane)
1.200	7.11	999.00	7.11	999.00	247.1 (2-Lane)
1.200	9.51	999.00	9.51	999.00	330.4 (1-Lane)
1.300	5.32	999.00	5.32	999.00	184.7 (2-Lane)
1.300	7.11	999.00	7.11	999.00	247.1 (1-Lane)
1.400	4.63	999.00	4.63	999.00	160.9 (2-Lane)
1.400	6.19	999.00	6.19	999.00	215.2 (1-Lane)
1.500	4.47	999.00	4.47	999.00	155.3 (2-Lane)
1.500	5.97	999.00	5.97	999.00	207.6 (1-Lane)
1.600	4.63	999.00	4.63	999.00	160.9 (2-Lane)
1.600	6.19	999.00	6.19	999.00	215.2 (1-Lane)
1.700	5.32	999.00	5.32	999.00	184.7 (2-Lane)
1.700	7.11	999.00	7.11	999.00	247.1 (1-Lane)
1.800	7.11	999.00	7.11	999.00	247.1 (2-Lane)
1.800	9.51	999.00	9.51	999.00	330.4 (1-Lane)
1.900	13.34	999.00	13.34	999.00	463.7 (2-Lane)
1.900	17.85	999.00	17.85	999.00	620.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU6

Span	Gamma		(2-Lane)		(1-Lane)	
	DC 1.25	DW 1.25	LL 1.75	LL 1.75	LL 1.75	LL 1.75
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.25	68.61	79.51	59.78
1.100	43.8	6.2	85.45	64.25	74.45	55.98
1.200	29.3	4.6	73.51	55.27	64.05	48.16
1.300	19.5	3.1	61.58	46.30	53.65	40.34
1.400	9.8	1.5	49.64	37.32	43.25	32.52
1.500	0.0	0.0	37.70	28.35	32.85	24.70
1.600	-9.8	-1.5	-49.64	-37.32	-43.25	-32.52
1.700	-19.5	-3.1	-61.58	-46.30	-53.65	-40.34
1.800	-29.3	-4.6	-73.51	-55.27	-64.05	-48.16
1.900	-39.0	-6.2	-85.45	-64.25	-74.45	-55.98
1.949	-43.7	-13.9	-91.25	-68.61	-79.51	-59.78
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.6	30.6	123.2	-134.5	111.9 (2-Lane)
1.400	96.5	30.6	127.1	-138.4	115.8 (1-Lane)
1.500	55.0	48.2	103.2	-103.2	103.2 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.6	30.6	123.2	-111.9	134.5 (2-Lane)
1.600	96.5	30.6	127.1	-115.8	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.48	0.00	51.6 (2-Lane)
1.051	288.92	1.70	0.00	59.2 (1-Lane)
1.100	119.80	1.97	0.00	68.3 (2-Lane)
1.100	137.50	2.26	0.00	78.4 (1-Lane)
1.200	25.54	1.95	0.00	67.7 (2-Lane)
1.200	29.31	2.23	0.00	77.7 (1-Lane)
1.300	12.50	2.70	0.00	94.0 (2-Lane)
1.300	14.34	3.10	0.00	107.9 (1-Lane)
1.400	5.00	2.26	0.00	78.3 (2-Lane)
1.400	5.91	2.68	0.00	93.1 (1-Lane)
1.500	2.74	2.74	0.00	95.1 (2-Lane)
1.500	3.17	3.17	0.00	110.3 (1-Lane)
1.600	2.26	5.00	0.00	78.3 (2-Lane)
1.600	2.68	5.91	0.00	93.1 (1-Lane)
1.700	2.70	12.50	0.00	94.0 (2-Lane)
1.700	3.10	14.34	0.00	107.9 (1-Lane)
1.800	1.95	25.54	0.00	67.7 (2-Lane)
1.800	2.23	29.31	0.00	77.7 (1-Lane)
1.900	2.10	120.54	0.00	72.9 (2-Lane)
1.900	2.41	138.35	0.00	83.7 (1-Lane)
1.949	1.55	252.57	0.00	53.8 (2-Lane)
1.949	1.78	289.88	0.00	61.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type:		III-IN									
Rating Live Load:		SU6		(2-Lane)				(1-Lane)			
Gamma	DC	DW		LL		LL					
	1.00	1.00		0.80				0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00	0.00
1.200	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00	0.00
1.300	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00	0.00
1.400	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00	0.00
1.500	553.7	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00	0.00
1.600	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00	0.00
1.700	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00	0.00
1.800	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00	0.00
1.900	199.3	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2961

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	Rating		Factor		Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5 (2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1 (1-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU7

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.75 LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2965

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.82	999.00	12.82	999.00	0.00	496.8 (2-Lane)
1.100	17.15	999.00	17.15	999.00	0.00	664.4 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00	263.4 (2-Lane)
1.200	9.09	999.00	9.09	999.00	0.00	352.3 (1-Lane)
1.300	4.94	999.00	4.94	999.00	0.00	191.4 (2-Lane)
1.300	6.61	999.00	6.61	999.00	0.00	255.9 (1-Lane)
1.400	4.29	999.00	4.29	999.00	0.00	166.2 (2-Lane)
1.400	5.74	999.00	5.74	999.00	0.00	222.2 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00	159.5 (2-Lane)

1.500	5.51	999.00	5.51	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 213.4 (1-Lane)
1.600	4.29	999.00	4.29	999.00	0.00 166.2 (2-Lane)
1.600	5.74	999.00	5.74	999.00	0.00 222.2 (1-Lane)
1.700	4.94	999.00	4.94	999.00	0.00 191.4 (2-Lane)
1.700	6.61	999.00	6.61	999.00	0.00 255.9 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00 263.4 (2-Lane)
1.800	9.09	999.00	9.09	999.00	0.00 352.3 (1-Lane)
1.900	12.75	999.00	12.75	999.00	0.00 494.2 (2-Lane)
1.900	17.06	999.00	17.06	999.00	0.00 660.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	95.88	0.00	72.09	0.00	83.54	0.00
1.100	43.8	6.2	89.41	0.00	67.23	0.00	77.90	0.00
1.200	29.3	4.6	76.10	0.00	57.22	0.00	66.30	0.00
1.300	19.5	3.1	62.78	0.00	47.21	0.00	54.70	0.00
1.400	9.8	1.5	49.47	0.00	37.20	0.00	43.10	0.00
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00
1.600	-9.8	-1.5	-49.47	0.00	-37.20	0.00	-43.10	0.00
1.700	-19.5	-3.1	-62.78	0.00	-47.21	0.00	-54.70	0.00
1.800	-29.3	-4.6	-76.10	0.00	-57.22	0.00	-66.30	0.00
1.900	-39.0	-6.2	-89.41	0.00	-67.23	0.00	-77.90	0.00
1.949	-43.7	-13.9	-95.88	0.00	-72.09	0.00	-83.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	93.3	30.6	123.9	-135.2	112.6 (1-Lane)
1.500	51.9	48.2	100.1	-100.1	100.1 (2-Lane)
1.500	53.1	48.2	101.3	-101.3	101.3 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	93.3	30.6	123.9	-112.6	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-INV
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.41	0.00	54.7 (2-Lane)
1.051	288.92	1.62	0.00	62.8 (1-Lane)
1.100	135.69	1.88	0.00	72.8 (2-Lane)
1.100	155.73	2.16	0.00	83.6 (1-Lane)
1.200	33.72	1.88	0.00	72.9 (2-Lane)
1.200	38.70	2.16	0.00	83.7 (1-Lane)
1.300	14.34	2.65	0.00	102.8 (2-Lane)
1.300	16.46	3.04	0.00	118.0 (1-Lane)
1.400	5.16	2.19	0.00	84.9 (2-Lane)
1.400	6.11	2.61	0.00	101.2 (1-Lane)
1.500	2.73	2.73	0.00	105.6 (2-Lane)
1.500	3.17	3.17	0.00	122.7 (1-Lane)
1.600	2.19	5.16	0.00	84.9 (2-Lane)
1.600	2.61	6.11	0.00	101.2 (1-Lane)
1.700	2.65	14.34	0.00	102.8 (2-Lane)
1.700	3.04	16.46	0.00	118.0 (1-Lane)
1.800	1.88	33.72	0.00	72.9 (2-Lane)
1.800	2.16	38.70	0.00	83.7 (1-Lane)
1.900	2.01	136.53	0.00	77.7 (2-Lane)
1.900	2.30	156.70	0.00	89.2 (1-Lane)
1.949	1.47	252.57	0.00	57.1 (2-Lane)
1.949	1.69	289.88	0.00	65.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2969

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2969

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-INV S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0 (1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2 (2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7 (1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0 (2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2971

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: HL93

Rating Live Load:			MS		(2-Lane)		(1-Lane)			
Gamma	DC	DW	LL		LL		LL			
	1.25	1.25	1.35		1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.200	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.300	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.400	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.500	692.1	109.7	1112.68 R	0.00	893.81	0.00	831.99 R	0.00	668.33	0.00
1.600	664.5	105.3	1094.80 R	0.00	878.07	0.00	818.62 R	0.00	656.56	0.00
1.700	581.4	92.1	974.59 R	0.00	780.83	0.00	728.73 R	0.00	583.85	0.00
1.800	443.0	70.2	765.37 R	0.00	612.07	0.00	572.29 R	0.00	457.67	0.00
1.900	249.2	39.5	440.50 R	0.00	351.80	0.00	329.38 R	0.00	263.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: HL93

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Positive Top	Resistance Bending Bott.	Available Negative Top	Resistance Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.2 (2-Lane)
1.100	17.73	999.00	17.73	999.00	0.00	638.2 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.200	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.300	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.400	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.400	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.500	4.76	999.00	4.76	999.00	0.00	171.3 (2-Lane)
1.500	6.36	999.00	6.36	999.00	0.00	229.1 (1-Lane)
1.600	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.600	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.700	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.800	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	474.7 (2-Lane)
1.900	17.63	999.00	17.63	999.00	0.00	634.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35		(1-Lane) LL 1.35	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.11	0.00	72.55	0.00
1.100	43.8	6.2	84.85	0.00	67.43	0.00
1.200	29.3	4.6	72.23	0.00	57.18	0.00
1.300	19.5	3.1	59.97	0.00	47.29	0.00
1.400	9.8	1.5	48.08	0.00	37.77	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00
1.600	-9.8	-1.5	-48.08	0.00	-37.77	0.00
1.700	-19.5	-3.1	-59.97	0.00	-47.29	0.00
1.800	-29.3	-4.6	-72.23	0.00	-57.18	0.00
1.900	-39.0	-6.2	-84.85	0.00	-67.43	0.00
1.949	-43.7	-13.9	-91.11	0.00	-72.55	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
 Rating Type: I-OPER
 Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.9	30.6	123.5	-134.8	112.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.9	30.6	123.5	-112.2	134.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
 Rating Type: I-OPER
 Rating Live Load: HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.49	0.00	53.5 (2-Lane)
1.051	134.59	1.71	0.00	61.4 (1-Lane)
1.100	62.45	1.98	0.00	71.3 (2-Lane)
1.100	71.68	2.27	0.00	81.8 (1-Lane)
1.200	18.12	1.98	0.00	71.3 (2-Lane)
1.200	20.79	2.27	0.00	81.9 (1-Lane)
1.300	11.04	2.78	0.00	99.9 (2-Lane)
1.300	12.67	3.19	0.00	114.7 (1-Lane)
1.400	4.98	2.33	0.00	84.0 (2-Lane)
1.400	5.87	2.77	0.00	99.6 (1-Lane)
1.500	2.83	2.83	0.00	101.9 (2-Lane)
1.500	3.28	3.28	0.00	118.0 (1-Lane)
1.600	2.33	4.98	0.00	84.0 (2-Lane)
1.600	2.77	5.87	0.00	99.6 (1-Lane)
1.700	2.78	11.04	0.00	99.9 (2-Lane)
1.700	3.19	12.67	0.00	114.7 (1-Lane)
1.800	1.98	18.12	0.00	71.3 (2-Lane)
1.800	2.27	20.79	0.00	81.9 (1-Lane)
1.900	2.11	60.29	0.00	76.1 (2-Lane)
1.900	2.43	69.20	0.00	87.3 (1-Lane)
1.949	1.55	115.13	0.00	55.8 (2-Lane)
1.949	1.78	132.14	0.00	64.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
 Rating Type: I-OPER
 Rating Live Load: HS20

Gamma			(2-Lane)	(1-Lane)
	DC	DW	LL	LL
	1.25	1.25	1.35	1.35

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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	109.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	16.33	999.00	16.33	999.00	326.65	588.0 (2-Lane)
1.100	21.84	999.00	21.84	999.00	436.86	786.3 (1-Lane)
1.200	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.200	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.300	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.300	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.400	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.400	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.500	6.00	999.00	6.00	999.00	120.05	216.1 (2-Lane)
1.500	8.03	999.00	8.03	999.00	160.55	289.0 (1-Lane)
1.600	6.10	999.00	6.10	999.00	121.98	219.6 (2-Lane)
1.600	8.16	999.00	8.16	999.00	163.13	293.6 (1-Lane)
1.700	6.95	999.00	6.95	999.00	138.89	250.0 (2-Lane)
1.700	9.29	999.00	9.29	999.00	185.75	334.4 (1-Lane)
1.800	9.04	999.00	9.04	999.00	180.76	325.4 (2-Lane)
1.800	12.09	999.00	12.09	999.00	241.74	435.1 (1-Lane)
1.900	16.25	999.00	16.25	999.00	324.93	584.9 (2-Lane)
1.900	21.73	999.00	21.73	999.00	434.55	782.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.82	56.26	0.00	65.19
1.100	43.8	6.2	70.18	52.77	0.00	61.15
1.200	29.3	4.6	60.64	45.60	0.00	52.84
1.300	19.5	3.1	51.10	38.42	0.00	44.52
1.400	9.8	1.5	41.56	31.25	0.00	36.21
1.500	0.0	0.0	32.02	24.08	0.00	27.90
1.600	-9.8	-1.5	-41.56	-31.25	0.00	-36.21
1.700	-19.5	-3.1	-51.10	-38.42	0.00	-44.52
1.800	-29.3	-4.6	-60.64	-45.60	0.00	-52.84
1.900	-39.0	-6.2	-70.18	-52.77	0.00	-61.15
1.949	-43.7	-13.9	-74.82	-56.26	0.00	-65.19
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: HS20

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.6	30.6	124.2	-135.5	112.9 (2-Lane)
1.400	96.4	30.6	127.0	-138.3	115.7 (1-Lane)
1.500	55.0	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	93.6	30.6	124.2	-112.9	135.5 (2-Lane)
1.600	96.4	30.6	127.0	-115.7	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.81	36.19	65.1 (2-Lane)
1.051	134.59	2.08	41.54	74.8 (1-Lane)
1.100	63.21	2.39	47.88	86.2 (2-Lane)
1.100	72.55	2.75	54.95	98.9 (1-Lane)
1.200	24.87	2.36	47.20	85.0 (2-Lane)
1.200	28.54	2.71	54.18	97.5 (1-Lane)
1.300	14.12	3.26	65.17	117.3 (2-Lane)
1.300	16.21	3.74	74.79	134.6 (1-Lane)
1.400	5.77	2.72	54.33	97.8 (2-Lane)
1.400	6.76	3.19	63.88	115.0 (1-Lane)
1.500	3.22	3.22	64.51	116.1 (2-Lane)
1.500	3.71	3.71	74.16	133.5 (1-Lane)

1.600	2.72	5.77	54.33	97.8 (2-Lane)
1.600	3.19	6.76	63.89	115.0 (1-Lane)
1.700	3.26	14.12	65.17	117.3 (2-Lane)
1.700	3.74	16.21	74.79	134.6 (1-Lane)
1.800	2.36	24.87	47.20	85.0 (2-Lane)
1.800	2.71	28.54	54.18	97.5 (1-Lane)
1.900	2.56	63.60	51.10	92.0 (2-Lane)
1.900	2.93	73.00	58.65	105.6 (1-Lane)
1.949	1.89	117.66	37.75	67.9 (2-Lane)
1.949	2.17	135.04	43.33	78.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2985

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	109.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2986

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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1.100	22.50	999.00	22.50	999.00	0.00	562.5 (2-Lane)
1.100	30.09	999.00	30.09	999.00	0.00	752.3 (1-Lane)
1.200	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.200	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.300	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.300	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.400	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.400	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.500	8.02	999.00	8.02	999.00	0.00	200.4 (2-Lane)
1.500	10.72	999.00	10.72	999.00	0.00	268.0 (1-Lane)
1.600	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.600	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.700	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.700	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.800	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.800	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.900	22.38	999.00	22.38	999.00	0.00	559.5 (2-Lane)
1.900	29.93	999.00	29.93	999.00	0.00	748.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2988

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35		1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-13.9	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2989

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3

Shear Resistance			Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	-130.3	107.8 (2-Lane)
1.400	90.1	30.6	-131.9	109.4 (1-Lane)
1.500	49.9	48.2	-98.1	98.1 (2-Lane)
1.500	49.3	48.2	-97.5	97.5 (1-Lane)
1.600	88.5	30.6	-107.8	130.4 (2-Lane)
1.600	90.1	30.6	-109.4	131.9 (1-Lane)
1.700	106.5	82.6	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.50	0.00	62.5 (2-Lane)
1.051	253.35	2.87	0.00	71.7 (1-Lane)
1.100	91.84	3.30	0.00	82.4 (2-Lane)
1.100	105.41	3.79	0.00	94.6 (1-Lane)
1.200	28.41	3.23	0.00	80.7 (2-Lane)
1.200	32.61	3.71	0.00	92.7 (1-Lane)
1.300	17.75	4.42	0.00	110.4 (2-Lane)
1.300	20.37	5.07	0.00	126.7 (1-Lane)
1.400	7.31	3.47	0.00	86.7 (2-Lane)
1.400	8.50	4.04	0.00	101.0 (1-Lane)
1.500	4.01	4.01	0.00	100.4 (2-Lane)
1.500	4.58	4.58	0.00	114.5 (1-Lane)
1.600	3.47	7.31	0.00	86.7 (2-Lane)
1.600	4.04	8.50	0.00	101.0 (1-Lane)
1.700	4.42	17.75	0.00	110.4 (2-Lane)
1.700	5.07	20.37	0.00	126.7 (1-Lane)
1.800	3.23	28.41	0.00	80.7 (2-Lane)
1.800	3.71	32.61	0.00	92.7 (1-Lane)
1.900	3.52	92.41	0.00	88.0 (2-Lane)
1.900	4.04	106.06	0.00	101.0 (1-Lane)
1.949	2.61	221.48	0.00	65.2 (2-Lane)
1.949	2.99	254.20	0.00	74.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2992

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.200	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.300	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.400	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.500	692.1	109.7	717.59 R	0.00	539.54	0.00	536.57 R	0.00	403.44	0.00
1.600	664.5	105.3	731.11 R	0.00	549.71	0.00	546.68 R	0.00	411.03	0.00
1.700	581.4	92.1	660.40 R	0.00	496.54	0.00	493.81 R	0.00	371.28	0.00
1.800	443.0	70.2	504.52 R	0.00	379.34	0.00	377.25 R	0.00	283.65	0.00
1.900	249.2	39.5	306.26 R	0.00	230.27	0.00	229.00 R	0.00	172.18	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 2993

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5

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1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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 MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G16
 Rating Type: I-OPER
 Rating Live Load: 3S2

Moment									
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
1.100	19.07	999.00	19.07	999.00	0.00	762.6	(2-Lane)		
1.100	25.50	999.00	25.50	999.00	0.00	999.0	(1-Lane)		
1.200	11.07	999.00	11.07	999.00	0.00	442.7	(2-Lane)		
1.200	14.80	999.00	14.80	999.00	0.00	592.0	(1-Lane)		
1.300	8.21	999.00	8.21	999.00	0.00	328.5	(2-Lane)		
1.300	10.98	999.00	10.98	999.00	0.00	439.3	(1-Lane)		
1.400	7.29	999.00	7.29	999.00	0.00	291.5	(2-Lane)		
1.400	9.74	999.00	9.74	999.00	0.00	389.8	(1-Lane)		
1.500	7.38	999.00	7.38	999.00	0.00	295.2	(2-Lane)		
1.500	9.87	999.00	9.87	999.00	0.00	394.7	(1-Lane)		
1.600	7.29	999.00	7.29	999.00	0.00	291.5	(2-Lane)		
1.600	9.74	999.00	9.74	999.00	0.00	389.8	(1-Lane)		
1.700	8.21	999.00	8.21	999.00	0.00	328.5	(2-Lane)		
1.700	10.98	999.00	10.98	999.00	0.00	439.3	(1-Lane)		
1.800	11.07	999.00	11.07	999.00	0.00	442.7	(2-Lane)		
1.800	14.80	999.00	14.80	999.00	0.00	592.0	(1-Lane)		
1.900	18.97	999.00	18.97	999.00	0.00	758.6	(2-Lane)		
1.900	25.36	999.00	25.36	999.00	0.00	999.0	(1-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)		

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 2995
 SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G16
 Rating Type: I-OPER
 Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)					
	1.25	1.25	LL	1.35	LL	1.35				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	52.03	0.00	39.12	0.00	45.34	0.00	34.09	0.00
1.100	43.8	6.2	60.12	0.00	45.21	0.00	52.38	0.00	39.39	0.00
1.200	29.3	4.6	49.52	0.00	37.24	0.00	43.15	0.00	32.44	0.00
1.300	19.5	3.1	39.27	0.00	29.53	0.00	34.22	0.00	25.73	0.00
1.400	9.8	1.5	30.50	0.00	22.93	0.00	26.58	0.00	19.98	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00	19.07	0.00	14.34	0.00
1.600	-9.8	-1.5	-30.50	0.00	-22.93	0.00	-26.58	0.00	-19.98	0.00
1.700	-19.5	-3.1	-39.27	0.00	-29.53	0.00	-34.22	0.00	-25.73	0.00
1.800	-29.3	-4.6	-49.52	0.00	-37.24	0.00	-43.15	0.00	-32.44	0.00
1.900	-39.0	-6.2	-60.12	0.00	-45.21	0.00	-52.38	0.00	-39.39	0.00
1.949	-43.7	-13.9	-65.28	0.00	-49.08	0.00	-56.87	0.00	-42.76	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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 STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G16

Rating Type: I-OPER
Rating Live Load: 3S2

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	-255.6	135.4	(2-Lane)
1.051	65.6	129.9	-255.6	135.4	(1-Lane)
1.100	74.9	143.2	-268.0	168.0	(2-Lane)
1.100	74.9	143.2	-268.0	168.0	(1-Lane)
1.200	94.4	82.6	-210.9	143.1	(2-Lane)
1.200	94.4	82.6	-210.9	143.1	(1-Lane)
1.300	106.5	82.6	-211.7	166.5	(2-Lane)
1.300	106.5	82.6	-211.7	166.5	(1-Lane)
1.400	83.8	30.6	-125.7	103.1	(2-Lane)
1.400	85.9	30.6	-127.8	105.2	(1-Lane)
1.500	44.8	48.2	-93.0	93.0	(2-Lane)
1.500	44.4	48.2	-92.6	92.6	(1-Lane)
1.600	83.8	30.6	-103.1	125.7	(2-Lane)
1.600	85.9	30.6	-105.2	127.8	(1-Lane)
1.700	106.5	82.6	-166.5	211.7	(2-Lane)
1.700	106.5	82.6	-166.5	211.7	(1-Lane)
1.800	94.4	82.6	-143.1	210.9	(2-Lane)
1.800	94.4	82.6	-143.1	210.9	(1-Lane)
1.900	77.5	147.0	-179.3	269.7	(2-Lane)
1.900	77.5	147.0	-179.3	269.7	(1-Lane)
1.949	67.0	131.9	-141.2	256.4	(2-Lane)
1.949	67.0	131.9	-141.2	256.4	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: 3S2

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	220.74	2.60	0.00	104.1	(2-Lane)
1.051	253.35	2.99	0.00	119.5	(1-Lane)
1.100	91.84	2.79	0.00	111.8	(2-Lane)
1.100	105.41	3.21	0.00	128.3	(1-Lane)
1.200	28.41	2.89	0.00	115.6	(2-Lane)
1.200	32.61	3.32	0.00	132.7	(1-Lane)
1.300	17.75	4.24	0.00	169.6	(2-Lane)
1.300	20.37	4.87	0.00	194.7	(1-Lane)
1.400	7.65	3.38	0.00	135.2	(2-Lane)
1.400	8.93	3.96	0.00	158.3	(1-Lane)
1.500	4.25	4.25	0.00	169.9	(2-Lane)
1.500	4.86	4.86	0.00	194.3	(1-Lane)
1.600	3.38	7.65	0.00	135.2	(2-Lane)
1.600	3.96	8.93	0.00	158.3	(1-Lane)
1.700	4.24	17.75	0.00	169.6	(2-Lane)
1.700	4.87	20.37	0.00	194.7	(1-Lane)
1.800	2.89	28.41	0.00	115.6	(2-Lane)
1.800	3.32	32.61	0.00	132.7	(1-Lane)
1.900	2.98	92.41	0.00	119.3	(2-Lane)
1.900	3.42	106.06	0.00	136.9	(1-Lane)
1.949	2.16	221.48	0.00	86.5	(2-Lane)
1.949	2.48	254.20	0.00	99.3	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: 3-3

Rating Live Load:		S		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane	Live Load w/o impact Truck	w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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9999999_20120831cy17_FlexuralRpt.txt									
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77
1.200	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93
1.300	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59
1.400	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99
1.500	692.1	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38
1.600	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99
1.700	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59
1.800	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93
1.900	249.2	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G16									
Rating Type: I-OPER									
Rating Live Load: 3-3									
Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.	
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2	
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8	
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8	
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8	
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5	
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2	
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7	
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1	
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0	

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01									
Member I. D. G16									
Rating Type: I-OPER									
Rating Live Load: 3-3									
Span	top +bend	Rating fiber -bend	Moment Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
1.100	22.22	999.00	22.22	999.00	0.00	888.6 (2-Lane)			
1.100	29.71	999.00	29.71	999.00	0.00	999.0 (1-Lane)			
1.200	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)			
1.200	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)			
1.300	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)			
1.300	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)			
1.400	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)			
1.400	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)			
1.500	8.75	999.00	8.75	999.00	0.00	349.8 (2-Lane)			
1.500	11.70	999.00	11.70	999.00	0.00	467.9 (1-Lane)			
1.600	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)			
1.600	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)			
1.700	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)			
1.700	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)			
1.800	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)			
1.800	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)			
1.900	22.10	999.00	22.10	999.00	0.00	883.9 (2-Lane)			
1.900	29.55	999.00	29.55	999.00	0.00	999.0 (1-Lane)			
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)			
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)			

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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SHEAR REPORT

Member I. D.	G16									
Rating Type:	I-OPER									
Rating Live Load:	3-3									
Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL	LL	LL	LL	LL	LL	LL	LL
			1.35				1.35			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	55.98	0.00	42.09	0.00	48.77	0.00	36.67	0.00
1.100	43.8	6.2	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	29.3	4.6	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	19.5	3.1	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	9.8	1.5	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-9.8	-1.5	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-19.5	-3.1	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00
1.800	-29.3	-4.6	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90	0.00
1.900	-39.0	-6.2	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80	0.00
1.949	-43.7	-13.9	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
Rating Type: I-OPER
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	84.1	30.6	114.7	-126.0	103.4 (2-Lane)
1.400	85.4	30.6	115.9	-127.2	104.6 (1-Lane)
1.500	44.9	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.2	48.2	92.4	-92.4	92.4 (1-Lane)
1.600	84.1	30.6	114.7	-103.4	126.0 (2-Lane)
1.600	85.4	30.6	115.9	-104.6	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
Rating Type: I-OPER
Rating Live Load: 3-3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	268.04	2.42	0.00	96.8 (2-Lane)
1.051	307.64	2.78	0.00	111.0 (1-Lane)
1.100	111.52	3.26	0.00	130.2 (2-Lane)
1.100	127.99	3.74	0.00	149.5 (1-Lane)
1.200	34.50	3.36	0.00	134.4 (2-Lane)
1.200	39.60	3.86	0.00	154.3 (1-Lane)
1.300	21.55	4.96	0.00	198.4 (2-Lane)
1.300	24.73	5.69	0.00	227.7 (1-Lane)
1.400	8.66	3.94	0.00	157.8 (2-Lane)
1.400	10.04	4.58	0.00	183.3 (1-Lane)
1.500	4.57	4.57	0.00	182.9 (2-Lane)
1.500	5.21	5.21	0.00	208.2 (1-Lane)
1.600	3.94	8.66	0.00	157.8 (2-Lane)
1.600	4.58	10.04	0.00	183.3 (1-Lane)

1.700	4.96	21.55	0.00	198.4 (2-Lane)
1.700	5.69	24.73	0.00	227.7 (1-Lane)
1.800	3.36	34.50	0.00	134.4 (2-Lane)
1.800	3.86	39.60	0.00	154.3 (1-Lane)
1.900	3.47	112.21	0.00	139.0 (2-Lane)
1.900	3.99	128.79	0.00	159.5 (1-Lane)
1.949	2.52	268.94	0.00	100.9 (2-Lane)
1.949	2.89	308.67	0.00	115.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.	Resistance Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU4

Moment

Span	Rating top fiber +bend	Factor fiber -bend	Rating bottom fiber +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.37	999.00	20.37	999.00	0.00	549.9 (2-Lane)
1.100	27.24	999.00	27.24	999.00	0.00	735.5 (1-Lane)
1.200	11.16	999.00	11.16	999.00	0.00	301.3 (2-Lane)

1.200	14.92	999.00	14.92	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 402.9 (1-Lane)
1.300	8.46	999.00	8.46	999.00	0.00 228.3 (2-Lane)
1.300	11.31	999.00	11.31	999.00	0.00 305.4 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00 196.7 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00 263.1 (1-Lane)
1.500	7.04	999.00	7.04	999.00	0.00 190.1 (2-Lane)
1.500	9.42	999.00	9.42	999.00	0.00 254.3 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00 196.7 (2-Lane)
1.600	9.74	999.00	9.74	999.00	0.00 263.1 (1-Lane)
1.700	8.46	999.00	8.46	999.00	0.00 228.3 (2-Lane)
1.700	11.31	999.00	11.31	999.00	0.00 305.4 (1-Lane)
1.800	11.16	999.00	11.16	999.00	0.00 301.3 (2-Lane)
1.800	14.92	999.00	14.92	999.00	0.00 402.9 (1-Lane)
1.900	20.26	999.00	20.26	999.00	0.00 547.0 (2-Lane)
1.900	27.10	999.00	27.10	999.00	0.00 731.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.35	LL 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	59.76	0.00	44.93	0.00	52.06	0.00	39.15	0.00
1.100	43.8	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87	0.00
1.200	29.3	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18	0.00
1.300	19.5	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49	0.00
1.400	9.8	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81	0.00
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12	0.00
1.600	-9.8	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81	0.00
1.700	-19.5	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49	0.00
1.800	-29.3	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18	0.00
1.900	-39.0	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87	0.00
1.949	-43.7	-13.9	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	90.3	30.6	120.9	-132.2	109.6 (2-Lane)
1.400	92.4	30.6	123.0	-134.3	111.7 (1-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (2-Lane)
1.500	52.0	48.2	100.3	-100.3	100.3 (1-Lane)
1.600	90.3	30.6	120.9	-109.6	132.2 (2-Lane)
1.600	92.4	30.6	123.0	-111.7	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3011

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.27	0.00	61.2 (2-Lane)
1.051	253.35	2.60	0.00	70.2 (1-Lane)
1.100	91.84	2.98	0.00	80.6 (2-Lane)
1.100	105.41	3.43	0.00	92.5 (1-Lane)
1.200	26.20	2.91	0.00	78.7 (2-Lane)
1.200	30.07	3.34	0.00	90.3 (1-Lane)
1.300	15.55	3.97	0.00	107.1 (2-Lane)
1.300	17.84	4.55	0.00	123.0 (1-Lane)
1.400	6.45	3.15	0.00	85.0 (2-Lane)
1.400	7.52	3.68	0.00	99.4 (1-Lane)
1.500	3.64	3.64	0.00	98.2 (2-Lane)
1.500	4.16	4.16	0.00	112.4 (1-Lane)
1.600	3.15	6.45	0.00	85.0 (2-Lane)
1.600	3.68	7.52	0.00	99.4 (1-Lane)
1.700	3.97	15.55	0.00	107.1 (2-Lane)
1.700	4.55	17.84	0.00	123.0 (1-Lane)
1.800	2.91	26.20	0.00	78.7 (2-Lane)
1.800	3.34	30.07	0.00	90.3 (1-Lane)
1.900	3.19	92.41	0.00	86.0 (2-Lane)
1.900	3.66	106.06	0.00	98.7 (1-Lane)
1.949	2.36	221.48	0.00	63.8 (2-Lane)
1.949	2.71	254.20	0.00	73.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3013

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3014

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU5

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5

9999999_20120831cy17_FlexuralRpt.txt
1.800 6096.9 6096.9 0.0 0.0 5583.7 5583.7 -513.2 -513.2
1.900 6096.9 6096.9 0.0 0.0 5808.2 5808.2 -288.7 -288.7
1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3015

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.35	999.00	18.35	999.00	0.00	568.9 (2-Lane)
1.100	24.55	999.00	24.55	999.00	0.00	760.9 (1-Lane)
1.200	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.200	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.300	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.300	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.400	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.500	6.45	999.00	6.45	999.00	0.00	200.1 (2-Lane)
1.500	8.63	999.00	8.63	999.00	0.00	267.6 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.600	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.700	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.700	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.800	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.800	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.900	18.26	999.00	18.26	999.00	0.00	565.9 (2-Lane)
1.900	24.42	999.00	24.42	999.00	0.00	756.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3016

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	66.45	0.00	49.96	0.00	57.90	0.00
1.100	43.8	6.2	62.46	0.00	46.96	0.00	54.42	0.00
1.200	29.3	4.6	54.24	0.00	40.78	0.00	47.26	0.00
1.300	19.5	3.1	46.03	0.00	34.61	0.00	40.10	0.00
1.400	9.8	1.5	37.81	0.00	28.43	0.00	32.94	0.00
1.500	0.0	0.0	29.60	0.00	22.25	0.00	25.79	0.00
1.600	-9.8	-1.5	-37.81	0.00	-28.43	0.00	-32.94	0.00
1.700	-19.5	-3.1	-46.03	0.00	-34.61	0.00	-40.10	0.00
1.800	-29.3	-4.6	-54.24	0.00	-40.78	0.00	-47.26	0.00
1.900	-39.0	-6.2	-62.46	0.00	-46.96	0.00	-54.42	0.00
1.949	-43.7	-13.9	-66.45	0.00	-49.96	0.00	-57.90	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3017

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (2-Lane)
1.400	93.7	30.6	124.3	-135.6	113.0 (1-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	53.3	48.2	101.5	-101.5	101.5 (1-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (2-Lane)
1.600	93.7	30.6	124.3	-113.0	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.04	0.00	63.2 (2-Lane)
1.051	253.35	2.34	0.00	72.5 (1-Lane)
1.100	91.84	2.69	0.00	83.4 (2-Lane)
1.100	105.41	3.09	0.00	95.7 (1-Lane)
1.200	26.20	2.64	0.00	81.8 (2-Lane)
1.200	30.07	3.03	0.00	93.9 (1-Lane)
1.300	14.54	3.62	0.00	112.1 (2-Lane)
1.300	16.69	4.15	0.00	128.7 (1-Lane)
1.400	6.23	2.92	0.00	90.6 (2-Lane)
1.400	7.28	3.43	0.00	106.3 (1-Lane)
1.500	3.43	3.43	0.00	106.4 (2-Lane)
1.500	3.94	3.94	0.00	122.0 (1-Lane)
1.600	2.92	6.23	0.00	90.6 (2-Lane)
1.600	3.43	7.28	0.00	106.3 (1-Lane)
1.700	3.62	14.54	0.00	112.1 (2-Lane)
1.700	4.15	16.69	0.00	128.7 (1-Lane)
1.800	2.64	26.20	0.00	81.8 (2-Lane)
1.800	3.03	30.07	0.00	93.9 (1-Lane)
1.900	2.87	92.41	0.00	89.0 (2-Lane)
1.900	3.30	106.06	0.00	102.2 (1-Lane)
1.949	2.12	221.48	0.00	65.9 (2-Lane)
1.949	2.44	254.20	0.00	75.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU6

Rating Live Load:		DC		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.35		1.35				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00
1.200	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.300	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00

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1.400	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04
1.500	692.1	109.7	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99
1.600	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04
1.700	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44
1.800	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58
1.900	249.2	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.39	999.00	17.39	999.00	0.00	604.3 (2-Lane)
1.100	23.26	999.00	23.26	999.00	0.00	808.2 (1-Lane)
1.200	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.200	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.300	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.300	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.400	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.400	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.500	5.79	999.00	5.79	999.00	0.00	201.3 (2-Lane)
1.500	7.75	999.00	7.75	999.00	0.00	269.2 (1-Lane)
1.600	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.600	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.700	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.700	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.800	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.800	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.900	17.30	999.00	17.30	999.00	0.00	601.1 (2-Lane)
1.900	23.13	999.00	23.13	999.00	0.00	803.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load:		SU6		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL	LL	LL
	1.25	1.25	1.35	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.40	0.00	52.93	0.00	46.12
1.100	43.8	6.2	65.92	0.00	49.56	0.00	43.18
1.200	29.3	4.6	56.71	0.00	42.64	0.00	37.15
1.300	19.5	3.1	47.50	0.00	35.71	0.00	31.12
1.400	9.8	1.5	38.29	0.00	28.79	0.00	25.08
1.500	0.0	0.0	29.08	0.00	21.87	0.00	19.05
1.600	-9.8	-1.5	-38.29	0.00	-28.79	0.00	-25.08
1.700	-19.5	-3.1	-47.50	0.00	-35.71	0.00	-31.12
1.800	-29.3	-4.6	-56.71	0.00	-42.64	0.00	-37.15
1.900	-39.0	-6.2	-65.92	0.00	-49.56	0.00	-43.18
1.949	-43.7	-13.9	-70.40	0.00	-52.93	0.00	-46.12
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.4	107.8 (2-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.4	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.92	0.00	66.8 (2-Lane)
1.051	374.52	2.21	0.00	76.7 (1-Lane)
1.100	155.30	2.55	0.00	88.6 (2-Lane)
1.100	178.24	2.92	0.00	101.7 (1-Lane)
1.200	33.11	2.52	0.00	87.7 (2-Lane)
1.200	38.00	2.90	0.00	100.7 (1-Lane)
1.300	16.20	3.51	0.00	121.8 (2-Lane)
1.300	18.59	4.02	0.00	139.8 (1-Lane)
1.400	6.28	2.82	0.00	97.8 (2-Lane)
1.400	7.37	3.32	0.00	115.2 (1-Lane)
1.500	3.39	3.39	0.00	117.9 (2-Lane)
1.500	3.90	3.90	0.00	135.7 (1-Lane)
1.600	2.82	6.28	0.00	97.8 (2-Lane)
1.600	3.32	7.37	0.00	115.2 (1-Lane)
1.700	3.51	16.20	0.00	121.8 (2-Lane)
1.700	4.02	18.59	0.00	139.8 (1-Lane)
1.800	2.52	33.11	0.00	87.7 (2-Lane)

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1.800	2.90	38.00	0.00	100.7 (1-Lane)
1.900	2.72	156.26	0.00	94.5 (2-Lane)
1.900	3.12	179.35	0.00	108.5 (1-Lane)
1.949	2.01	327.40	0.00	69.7 (2-Lane)
1.949	2.30	375.77	0.00	80.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.200	443.0	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.300	581.4	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.400	664.5	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.500	692.1	109.7	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00
1.600	664.5	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.700	581.4	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.800	443.0	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.900	249.2	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.62	999.00	16.62	999.00	0.00	644.0 (2-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	861.3 (1-Lane)
1.200	8.81	999.00	8.81	999.00	0.00	341.4 (2-Lane)
1.200	11.78	999.00	11.78	999.00	0.00	456.6 (1-Lane)
1.300	6.40	999.00	6.40	999.00	0.00	248.1 (2-Lane)
1.300	8.56	999.00	8.56	999.00	0.00	331.8 (1-Lane)

1.400	5.56	999.00	5.56	999.00	0.00	215.4	(2-Lane)
1.400	7.43	999.00	7.43	999.00	0.00	288.1	(1-Lane)
1.500	5.34	999.00	5.34	999.00	0.00	206.8	(2-Lane)
1.500	7.14	999.00	7.14	999.00	0.00	276.6	(1-Lane)
1.600	5.56	999.00	5.56	999.00	0.00	215.4	(2-Lane)
1.600	7.43	999.00	7.43	999.00	0.00	288.1	(1-Lane)
1.700	6.40	999.00	6.40	999.00	0.00	248.1	(2-Lane)
1.700	8.56	999.00	8.56	999.00	0.00	331.8	(1-Lane)
1.800	8.81	999.00	8.81	999.00	0.00	341.4	(2-Lane)
1.800	11.78	999.00	11.78	999.00	0.00	456.6	(1-Lane)
1.900	16.53	999.00	16.53	999.00	0.00	640.6	(2-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	856.7	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	6.2	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.6	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	3.1	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.5	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.5	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-3.1	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.6	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-6.2	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-13.9	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	85.6	30.6	116.2	-127.5	104.9 (2-Lane)
1.400	88.6	30.6	119.2	-130.5	107.9 (1-Lane)
1.500	47.8	48.2	96.1	-96.1	96.1 (2-Lane)
1.500	48.3	48.2	96.5	-96.5	96.5 (1-Lane)
1.600	85.6	30.6	116.2	-104.9	127.5 (2-Lane)
1.600	88.6	30.6	119.2	-107.9	130.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-OPER
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.83	0.00	70.9 (2-Lane)
1.051	374.52	2.10	0.00	81.4 (1-Lane)
1.100	175.89	2.44	0.00	94.4 (2-Lane)
1.100	201.88	2.80	0.00	108.3 (1-Lane)
1.200	43.71	2.44	0.00	94.5 (2-Lane)
1.200	50.17	2.80	0.00	108.4 (1-Lane)
1.300	18.59	3.44	0.00	133.2 (2-Lane)
1.300	21.33	3.95	0.00	152.9 (1-Lane)
1.400	6.51	2.75	0.00	106.5 (2-Lane)
1.400	7.65	3.25	0.00	125.8 (1-Lane)
1.500	3.39	3.39	0.00	131.4 (2-Lane)
1.500	3.91	3.91	0.00	151.6 (1-Lane)
1.600	2.75	6.51	0.00	106.5 (2-Lane)
1.600	3.25	7.65	0.00	125.8 (1-Lane)
1.700	3.44	18.59	0.00	133.2 (2-Lane)
1.700	3.95	21.33	0.00	152.9 (1-Lane)
1.800	2.44	43.71	0.00	94.5 (2-Lane)
1.800	2.80	50.17	0.00	108.4 (1-Lane)
1.900	2.60	176.98	0.00	100.7 (2-Lane)
1.900	2.98	203.13	0.00	115.6 (1-Lane)
1.949	1.91	327.40	0.00	74.0 (2-Lane)
1.949	2.19	375.77	0.00	84.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	346.03 R		260.17	258.74 R		194.54
1.200	443.0	70.2	602.06 R		452.67	450.18 R		338.48
1.300	581.4	92.1	768.09 R		577.51	574.33 R		431.83
1.400	664.5	105.3	863.15 R		648.98	645.41 R		485.27
1.500	692.1	109.7	880.89 R		662.32	658.67 R		495.24
1.600	664.5	105.3	863.15 R		648.98	645.41 R		485.27
1.700	581.4	92.1	768.09 R		577.51	574.33 R		431.83
1.800	443.0	70.2	602.06 R		452.67	450.18 R		338.48
1.900	249.2	39.5	346.03 R		260.17	258.74 R		194.54
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.88	999.00	16.88	999.00	0.00	421.9 (2-Lane)
1.100	22.57	999.00	22.57	999.00	0.00	564.2 (1-Lane)
1.200	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.200	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)
1.300	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.300	9.44	999.00	9.44	999.00	0.00	236.1 (1-Lane)
1.400	6.17	999.00	6.17	999.00	0.00	154.3 (2-Lane)
1.400	8.25	999.00	8.25	999.00	0.00	206.3 (1-Lane)
1.500	6.01	999.00	6.01	999.00	0.00	150.3 (2-Lane)
1.500	8.04	999.00	8.04	999.00	0.00	201.0 (1-Lane)
1.600	6.17	999.00	6.17	999.00	0.00	154.3 (2-Lane)
1.600	8.25	999.00	8.25	999.00	0.00	206.3 (1-Lane)
1.700	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.700	9.44	999.00	9.44	999.00	0.00	236.1 (1-Lane)
1.800	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.800	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)
1.900	16.78	999.00	16.78	999.00	0.00	419.6 (2-Lane)
1.900	22.45	999.00	22.45	999.00	0.00	561.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.22	54.30	62.93	47.31
1.100	43.8	6.2	67.93	51.08	59.19	44.50
1.200	29.3	4.6	59.10	44.43	51.49	38.71
1.300	19.5	3.1	50.26	37.79	43.79	32.93
1.400	9.8	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-6.2	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-13.9	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
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1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.9	30.6	124.5	-135.8	113.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.2	-104.2	104.2 (1-Lane)
1.600	93.9	30.6	124.5	-113.2	135.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.88	0.00	46.9 (2-Lane)
1.051	190.01	2.15	0.00	53.8 (1-Lane)
1.100	68.88	2.47	0.00	61.8 (2-Lane)
1.100	79.06	2.84	0.00	71.0 (1-Lane)
1.200	21.31	2.42	0.00	60.6 (2-Lane)
1.200	24.46	2.78	0.00	69.5 (1-Lane)
1.300	13.31	3.31	0.00	82.8 (2-Lane)
1.300	15.28	3.80	0.00	95.1 (1-Lane)
1.400	5.71	2.73	0.00	68.3 (2-Lane)
1.400	6.69	3.21	0.00	80.3 (1-Lane)
1.500	3.19	3.19	0.00	79.8 (2-Lane)
1.500	3.67	3.67	0.00	91.8 (1-Lane)
1.600	2.73	5.71	0.00	68.3 (2-Lane)
1.600	3.21	6.69	0.00	80.3 (1-Lane)
1.700	3.31	13.31	0.00	82.8 (2-Lane)
1.700	3.80	15.28	0.00	95.1 (1-Lane)
1.800	2.42	21.31	0.00	60.6 (2-Lane)
1.800	2.78	24.46	0.00	69.5 (1-Lane)
1.900	2.64	69.31	0.00	66.0 (2-Lane)
1.900	3.03	79.55	0.00	75.7 (1-Lane)
1.949	1.96	166.11	0.00	48.9 (2-Lane)
1.949	2.24	190.65	0.00	56.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LG
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	153.79 R	115.63	114.99 R	86.46
1.200	443.0	70.2	267.58 R	201.19	200.08 R	150.44
1.300	581.4	92.1	341.37 R	256.67	255.26 R	191.92
1.400	664.5	105.3	383.62 R	288.44	286.85 R	215.67
1.500	692.1	109.7	391.51 R	294.36	292.74 R	220.11
1.600	664.5	105.3	383.62 R	288.44	286.85 R	215.67
1.700	581.4	92.1	341.37 R	256.67	255.26 R	191.92

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1.800	443.0	70.2	267.58 R	201.19	200.08 R	150.44
1.900	249.2	39.5	153.79 R	115.63	114.99 R	86.46
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G16								
Rating Type: III-LGL								
Rating Live Load: STRESSES								
Rating Type: 3								
Rating Live Load: Span								
	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01						
Member I. D. G16						
Rating Type: III-LGL S						
Rating Live Load: 3						
Service						
Span	top fiber	Rating Factor	bottom fiber	Rating Value	Load Resistance	
	+bend	-bend	+bend -bend		(tons)	
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
1.051	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.051	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
1.100	72.27	999.00	22.00	0.00	549.9 (2-Lane)	
1.100	96.65	999.00	29.42	0.00	735.4 (1-Lane)	
1.200	37.84	999.00	11.49	0.00	287.4 (2-Lane)	
1.200	50.60	999.00	15.37	0.00	384.3 (1-Lane)	
1.300	27.72	999.00	8.43	0.00	210.8 (2-Lane)	
1.300	37.07	999.00	11.27	0.00	281.9 (1-Lane)	
1.400	23.63	999.00	7.19	0.00	179.8 (2-Lane)	
1.400	31.61	999.00	9.62	0.00	240.5 (1-Lane)	
1.500	22.82	999.00	6.95	0.00	173.7 (2-Lane)	
1.500	30.52	999.00	9.29	0.00	232.3 (1-Lane)	
1.600	23.63	999.00	7.19	0.00	179.8 (2-Lane)	
1.600	31.61	999.00	9.62	0.00	240.5 (1-Lane)	
1.700	27.72	999.00	8.43	0.00	210.8 (2-Lane)	
1.700	37.07	999.00	11.27	0.00	281.9 (1-Lane)	
1.800	37.84	999.00	11.49	0.00	287.4 (2-Lane)	
1.800	50.60	999.00	15.37	0.00	384.3 (1-Lane)	
1.900	71.86	999.00	21.80	0.00	545.0 (2-Lane)	
1.900	96.11	999.00	29.16	0.00	728.9 (1-Lane)	
1.949	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.949	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
2.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
2.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)	

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01	
Member I. D. G16	
Rating Type: I-LEGL	
Rating Live Load: 3S2	

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Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL	LL
			1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00	
1.100	218.4	39.5	408.35 R	307.03	305.33 R		229.57	
1.200	443.0	70.2	672.70 R	505.79	503.00 R		378.19	
1.300	581.4	92.1	880.54 R	662.06	658.41 R		495.04	
1.400	664.5	105.3	974.81 R	732.94	728.90 R		548.05	
1.500	692.1	109.7	956.79 R	719.39	715.43 R		537.91	
1.600	664.5	105.3	974.81 R	732.94	728.90 R		548.05	
1.700	581.4	92.1	880.54 R	662.06	658.41 R		495.04	
1.800	443.0	70.2	672.70 R	505.79	503.00 R		378.19	
1.900	249.2	39.5	408.35 R	307.03	305.33 R		229.57	
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.30	999.00	14.30	999.00	0.00	572.0 (2-Lane)
1.100	19.12	999.00	19.12	999.00	0.00	764.9 (1-Lane)
1.200	8.30	999.00	8.30	999.00	0.00	332.0 (2-Lane)
1.200	11.10	999.00	11.10	999.00	0.00	444.0 (1-Lane)
1.300	6.16	999.00	6.16	999.00	0.00	246.4 (2-Lane)
1.300	8.24	999.00	8.24	999.00	0.00	329.5 (1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	218.6 (2-Lane)
1.400	7.31	999.00	7.31	999.00	0.00	292.3 (1-Lane)
1.500	5.53	999.00	5.53	999.00	0.00	221.4 (2-Lane)
1.500	7.40	999.00	7.40	999.00	0.00	296.1 (1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	218.6 (2-Lane)
1.600	7.31	999.00	7.31	999.00	0.00	292.3 (1-Lane)
1.700	6.16	999.00	6.16	999.00	0.00	246.4 (2-Lane)
1.700	8.24	999.00	8.24	999.00	0.00	329.5 (1-Lane)
1.800	8.30	999.00	8.30	999.00	0.00	332.0 (2-Lane)
1.800	11.10	999.00	11.10	999.00	0.00	444.0 (1-Lane)
1.900	14.22	999.00	14.22	999.00	0.00	569.0 (2-Lane)
1.900	19.02	999.00	19.02	999.00	0.00	760.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	69.38	52.16	60.45	45.45
1.100	43.8	6.2	80.16	60.27	69.85	52.52
1.200	29.3	4.6	66.03	49.65	57.53	43.26
1.300	19.5	3.1	52.36	39.37	45.62	34.30
1.400	9.8	1.5	40.67	30.58	35.43	26.64
1.500	0.0	0.0	29.19	21.94	25.43	19.12
1.600	-9.8	-1.5	-40.67	-30.58	-35.43	-26.64
1.700	-19.5	-3.1	-52.36	-39.37	-45.62	-34.30
1.800	-29.3	-4.6	-66.03	-49.65	-57.53	-43.26
1.900	-39.0	-6.2	-80.16	-60.27	-69.85	-52.52
1.949	-43.7	-13.9	-87.03	-65.44	-75.83	-57.02
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.2	30.6	118.8	-130.1	107.5 (2-Lane)
1.400	91.4	30.6	122.0	-133.3	110.7 (1-Lane)
1.500	49.6	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (1-Lane)
1.600	88.2	30.6	118.8	-107.5	130.1 (2-Lane)
1.600	91.4	30.6	122.0	-110.7	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	165.55	1.95	0.00	78.1 (2-Lane)
1.051	190.01	2.24	0.00	89.6 (1-Lane)
1.100	68.88	2.10	0.00	83.8 (2-Lane)
1.100	79.06	2.40	0.00	96.2 (1-Lane)
1.200	21.31	2.17	0.00	86.7 (2-Lane)
1.200	24.46	2.49	0.00	99.5 (1-Lane)
1.300	13.31	3.18	0.00	127.2 (2-Lane)
1.300	15.28	3.65	0.00	146.0 (1-Lane)

1.400	5.94	2.64	0.00	105.7 (2-Lane)
1.400	6.98	3.12	0.00	124.9 (1-Lane)
1.500	3.35	3.35	0.00	134.2 (2-Lane)
1.500	3.86	3.86	0.00	154.5 (1-Lane)
1.600	2.64	5.94	0.00	105.7 (2-Lane)
1.600	3.12	6.98	0.00	124.9 (1-Lane)
1.700	3.18	13.31	0.00	127.2 (2-Lane)
1.700	3.65	15.28	0.00	146.0 (1-Lane)
1.800	2.17	21.31	0.00	86.7 (2-Lane)
1.800	2.49	24.46	0.00	99.5 (1-Lane)
1.900	2.24	69.31	0.00	89.5 (2-Lane)
1.900	2.57	79.55	0.00	102.7 (1-Lane)
1.949	1.62	166.11	0.00	64.9 (2-Lane)
1.949	1.86	190.65	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	181.49 R	136.46	135.70 R	102.03	102.03	102.03
1.200	443.0	70.2	298.98 R	224.79	223.56 R	168.09	168.09	168.09
1.300	581.4	92.1	391.35 R	294.25	292.63 R	220.02	220.02	220.02
1.400	664.5	105.3	433.25 R	325.75	323.96 R	243.58	243.58	243.58
1.500	692.1	109.7	425.24 R	319.73	317.97 R	239.07	239.07	239.07
1.600	664.5	105.3	433.25 R	325.75	323.96 R	243.58	243.58	243.58
1.700	581.4	92.1	391.35 R	294.25	292.63 R	220.02	220.02	220.02
1.800	443.0	70.2	298.98 R	224.79	223.55 R	168.09	168.09	168.09
1.900	249.2	39.5	181.49 R	136.46	135.70 R	102.03	102.03	102.03
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL
Rating Live Load: STRESSESRating Type: 3S2
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL S
Rating Live Load: 3S2

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	350.45 R		263.50	262.05 R		197.03
1.200	443.0	70.2	578.51 R		434.97	432.57 R		325.24
1.300	581.4	92.1	724.75 R		544.92	541.92 R		407.46
1.400	664.5	105.3	761.27 R		572.38	569.23 R		427.99
1.500	692.1	109.7	807.25 R		606.96	603.61 R		453.84
1.600	664.5	105.3	761.27 R		572.38	569.23 R		427.99
1.700	581.4	92.1	724.75 R		544.92	541.92 R		407.46
1.800	443.0	70.2	578.51 R		434.97	432.57 R		325.24
1.900	249.2	39.5	350.45 R		263.50	262.05 R		197.03
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Resistance Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
Rating Type: I-LEGL
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.66	999.00	16.66	999.00	0.00	666.5 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	891.3 (1-Lane)
1.200	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.200	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.300	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.300	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.400	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.400	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.500	6.56	999.00	6.56	999.00	0.00	262.4 (2-Lane)
1.500	8.77	999.00	8.77	999.00	0.00	350.9 (1-Lane)
1.600	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.600	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.700	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.700	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.800	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.800	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.900	16.57	999.00	16.57	999.00	0.00	662.9 (2-Lane)
1.900	22.17	999.00	22.17	999.00	0.00	886.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
Rating Type: I-LEGL
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.64	56.12	65.03	48.90
1.100	43.8	6.2	68.80	51.73	59.94	45.07
1.200	29.3	4.6	56.79	42.70	49.48	37.20
1.300	19.5	3.1	44.77	33.66	39.01	29.33
1.400	9.8	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-6.2	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-13.9	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16
Rating Type: I-LEGL
Rating Live Load: 3-3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)

1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	91.4	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (2-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	91.4	30.6	121.9	-110.7	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	201.03	1.81	0.00	72.6 (2-Lane)
1.051	230.73	2.08	0.00	83.3 (1-Lane)
1.100	83.64	2.44	0.00	97.7 (2-Lane)
1.100	96.00	2.80	0.00	112.1 (1-Lane)
1.200	25.87	2.52	0.00	100.8 (2-Lane)
1.200	29.70	2.89	0.00	115.7 (1-Lane)
1.300	16.16	3.72	0.00	148.8 (2-Lane)
1.300	18.55	4.27	0.00	170.7 (1-Lane)
1.400	6.76	3.10	0.00	124.1 (2-Lane)
1.400	7.88	3.63	0.00	145.4 (1-Lane)
1.500	3.63	3.63	0.00	145.1 (2-Lane)
1.500	4.16	4.16	0.00	166.3 (1-Lane)
1.600	3.10	6.76	0.00	124.1 (2-Lane)
1.600	3.63	7.88	0.00	145.4 (1-Lane)
1.700	3.72	16.16	0.00	148.8 (2-Lane)
1.700	4.27	18.55	0.00	170.7 (1-Lane)
1.800	2.52	25.87	0.00	100.8 (2-Lane)
1.800	2.89	29.70	0.00	115.7 (1-Lane)
1.900	2.61	84.16	0.00	104.3 (2-Lane)
1.900	2.99	96.59	0.00	119.7 (1-Lane)
1.949	1.89	201.70	0.00	75.7 (2-Lane)
1.949	2.17	231.50	0.00	86.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	155.76 R	117.11	116.46 R	87.57
1.200	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.300	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.400	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.500	692.1	109.7	358.78 R	269.76	268.27 R	201.71
1.600	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.700	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.800	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.900	249.2	39.5	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3-3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)		(1-Lane)	
			LL	LL	LL	LL
	1.25	1.25	1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
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9999999_20120831cy17_FlexuralRpt.txt						
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	339.76 R	255.46	254.05 R	191.01
1.200	443.0	70.2	593.12 R	445.96	443.50 R	333.46
1.300	581.4	92.1	760.09 R	571.49	568.34 R	427.33
1.400	664.5	105.3	866.58 R	651.56	647.97 R	487.20
1.500	692.1	109.7	891.18 R	670.06	666.37 R	501.03
1.600	664.5	105.3	866.58 R	651.56	647.97 R	487.20
1.700	581.4	92.1	760.09 R	571.49	568.34 R	427.33
1.800	443.0	70.2	593.12 R	445.96	443.50 R	333.46
1.900	249.2	39.5	339.76 R	255.46	254.05 R	191.01
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	464.0 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	620.6 (1-Lane)
1.200	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.200	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.300	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.300	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.400	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.400	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.500	5.94	999.00	5.94	999.00	0.00	160.4 (2-Lane)
1.500	7.95	999.00	7.95	999.00	0.00	214.5 (1-Lane)
1.600	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.600	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.700	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.700	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.800	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.800	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.900	17.09	999.00	17.09	999.00	0.00	461.6 (2-Lane)
1.900	22.86	999.00	22.86	999.00	0.00	617.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.82	53.25	61.71	46.40
1.100	43.8	6.2	66.70	50.15	58.11	43.69
1.200	29.3	4.6	58.22	43.77	50.73	38.14
1.300	19.5	3.1	49.74	37.40	43.34	32.58
1.400	9.8	1.5	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.5	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-3.1	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.6	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-6.2	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-13.9	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.5	30.6	124.1	-135.4	112.8 (2-Lane)
1.400	96.2	30.6	126.8	-138.1	115.5 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	93.5	30.6	124.1	-112.8	135.4 (2-Lane)
1.600	96.2	30.6	126.8	-115.5	138.1 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3063

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Shear		Rating Value	Load Resistance (tons)
	Rating (-)	Factor (+)		
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.91	0.00	51.6 (2-Lane)
1.051	213.76	2.19	0.00	59.2 (1-Lane)
1.100	77.49	2.52	0.00	68.0 (2-Lane)
1.100	88.94	2.89	0.00	78.1 (1-Lane)
1.200	22.10	2.46	0.00	66.4 (2-Lane)
1.200	25.37	2.82	0.00	76.2 (1-Lane)
1.300	13.12	3.35	0.00	90.4 (2-Lane)
1.300	15.06	3.84	0.00	103.7 (1-Lane)
1.400	5.57	2.73	0.00	73.8 (2-Lane)
1.400	6.52	3.21	0.00	86.8 (1-Lane)
1.500	3.17	3.17	0.00	85.7 (2-Lane)
1.500	3.65	3.65	0.00	98.6 (1-Lane)
1.600	2.73	5.57	0.00	73.8 (2-Lane)
1.600	3.21	6.52	0.00	86.8 (1-Lane)

1.700	3.35	13.12	0.00	90.4 (2-Lane)
1.700	3.84	15.06	0.00	103.7 (1-Lane)
1.800	2.46	22.10	0.00	66.4 (2-Lane)
1.800	2.82	25.37	0.00	76.2 (1-Lane)
1.900	2.69	77.97	0.00	72.6 (2-Lane)
1.900	3.09	89.49	0.00	83.3 (1-Lane)
1.949	1.99	186.87	0.00	53.8 (2-Lane)
1.949	2.29	214.48	0.00	61.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3064

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	169.88 R	127.73	127.02 R	95.51	166.73	95.51
1.200	443.0	70.2	296.56 R	222.98	221.75 R	166.73	213.66	166.73
1.300	581.4	92.1	380.04 R	285.75	284.17 R	213.66	243.60	213.66
1.400	664.5	105.3	433.29 R	325.78	323.99 R	243.60	250.51	243.60
1.500	692.1	109.7	445.59 R	335.03	333.18 R	250.51	243.60	213.66
1.600	664.5	105.3	433.29 R	325.78	323.99 R	243.60	213.66	166.73
1.700	581.4	92.1	380.04 R	285.75	284.17 R	213.66	95.51	166.73
1.800	443.0	70.2	296.56 R	222.98	221.75 R	166.73	95.51	0.00
1.900	249.2	39.5	169.88 R	127.73	127.02 R	95.51	0.00	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3064

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.0 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.100	65.42	999.00	19.91	999.00	0.00 537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00 719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00 280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00 374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00 204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00 273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00 171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00 230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00 164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00 220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00 171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00 230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00 204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00 273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00 280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00 374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00 532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00 712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	377.07 R	283.51	281.95 R	211.99
1.200	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.300	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.400	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.500	692.1	109.7	972.29 R	731.04	727.01 R	546.62
1.600	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.700	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.800	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.900	249.2	39.5	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3067

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.48	999.00	15.48	999.00	0.00	480.0 (2-Lane)
1.100	20.71	999.00	20.71	999.00	0.00	642.0 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)
1.200	11.40	999.00	11.40	999.00	0.00	353.5 (1-Lane)
1.300	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)
1.300	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	172.6 (2-Lane)
1.400	7.44	999.00	7.44	999.00	0.00	230.8 (1-Lane)
1.500	5.45	999.00	5.45	999.00	0.00	168.8 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	225.8 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	172.5 (2-Lane)
1.600	7.44	999.00	7.44	999.00	0.00	230.8 (1-Lane)
1.700	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)
1.700	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)
1.800	11.40	999.00	11.40	999.00	0.00	353.5 (1-Lane)
1.900	15.40	999.00	15.40	999.00	0.00	477.5 (2-Lane)
1.900	20.60	999.00	20.60	999.00	0.00	638.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	78.76	59.22	68.62	51.59
1.100	43.8	6.2	74.03	55.66	64.50	48.49
1.200	29.3	4.6	64.29	48.34	56.01	42.11
1.300	19.5	3.1	54.55	41.02	47.53	35.74
1.400	9.8	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-6.2	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-13.9	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	94.4	30.6	124.9	-136.2	113.6 (2-Lane)
1.400	97.5	30.6	128.1	-139.4	116.8 (1-Lane)
1.500	56.7	48.2	105.0	-105.0	105.0 (2-Lane)
1.500	57.2	48.2	105.5	-105.5	105.5 (1-Lane)
1.600	94.4	30.6	124.9	-113.6	136.2 (2-Lane)

1.600	97.5	30.6	128.1	-116.8	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.72	0.00	53.3 (2-Lane)
1.051	213.76	1.97	0.00	61.2 (1-Lane)
1.100	77.49	2.27	0.00	70.4 (2-Lane)
1.100	88.94	2.61	0.00	80.8 (1-Lane)
1.200	22.10	2.23	0.00	69.0 (2-Lane)
1.200	25.37	2.56	0.00	79.2 (1-Lane)
1.300	12.27	3.05	0.00	94.6 (2-Lane)
1.300	14.08	3.50	0.00	108.6 (1-Lane)
1.400	5.38	2.54	0.00	78.6 (2-Lane)
1.400	6.31	2.99	0.00	92.7 (1-Lane)
1.500	2.99	2.99	0.00	92.8 (2-Lane)
1.500	3.45	3.45	0.00	107.0 (1-Lane)
1.600	2.54	5.38	0.00	78.6 (2-Lane)
1.600	2.99	6.31	0.00	92.7 (1-Lane)
1.700	3.05	12.27	0.00	94.6 (2-Lane)
1.700	3.50	14.08	0.00	108.6 (1-Lane)
1.800	2.23	22.10	0.00	69.0 (2-Lane)
1.800	2.56	25.37	0.00	79.2 (1-Lane)
1.900	2.42	77.97	0.00	75.1 (2-Lane)
1.900	2.78	89.49	0.00	86.2 (1-Lane)
1.949	1.79	186.87	0.00	55.6 (2-Lane)
1.949	2.06	214.48	0.00	63.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	188.54 R	141.76	140.97 R	106.00
1.200	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.300	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.400	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.500	692.1	109.7	486.14 R	365.52	363.51 R	273.31
1.600	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.700	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.800	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.900	249.2	39.5	188.54 R	141.76	140.97 R	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	397.96 R	299.22	297.57 R	223.74
1.200	443.0	70.2	717.98 R	539.83	536.86 R	403.65
1.300	581.4	92.1	932.71 R	701.29	697.42 R	524.38
1.400	664.5	105.3	1052.03 R	791.00	786.64 R	591.46
1.500	692.1	109.7	1083.54 R	814.69	810.20 R	609.17
1.600	664.5	105.3	1052.03 R	791.00	786.64 R	591.46

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1.700 581.4 92.1 932.71 R 701.29 697.42 R 524.38
1.800 443.0 70.2 717.98 R 539.83 536.86 R 403.65
1.900 249.2 39.5 397.96 R 299.22 297.57 R 223.74
1.949 128.1 0.0 0.00 R 0.00 0.00 R 0.00
2.000 0.0 0.0 0.00 R 0.00 0.00 R 0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.67	999.00	14.67	999.00	0.00	509.9 (2-Lane)
1.100	19.62	999.00	19.62	999.00	0.00	681.9 (1-Lane)
1.200	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.200	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.300	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.400	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.400	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.500	4.89	999.00	4.89	999.00	0.00	169.8 (2-Lane)
1.500	6.53	999.00	6.53	999.00	0.00	227.1 (1-Lane)
1.600	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.600	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.700	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.800	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.800	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.2 (2-Lane)
1.900	19.52	999.00	19.52	999.00	0.00	678.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3077

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
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1.25

1.25

1.60

1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	83.43	62.73	72.69	54.66
1.100	43.8	6.2	78.13	58.74	68.07	51.18
1.200	29.3	4.6	67.21	50.54	58.56	44.03
1.300	19.5	3.1	56.30	42.33	49.05	36.88
1.400	9.8	1.5	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.5	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-3.1	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.6	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-6.2	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-13.9	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.2	30.6	121.8	-133.1	110.5 (2-Lane)
1.400	94.7	30.6	125.3	-136.6	114.0 (1-Lane)
1.500	53.4	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	54.2	48.2	102.4	-102.4	102.4 (1-Lane)
1.600	91.2	30.6	121.8	-110.5	133.1 (2-Lane)
1.600	94.7	30.6	125.3	-114.0	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.62	0.00	56.4 (2-Lane)
1.051	316.00	1.86	0.00	64.7 (1-Lane)
1.100	131.03	2.15	0.00	74.7 (2-Lane)
1.100	150.39	2.47	0.00	85.8 (1-Lane)
1.200	27.93	2.13	0.00	74.0 (2-Lane)
1.200	32.06	2.44	0.00	84.9 (1-Lane)
1.300	13.67	2.96	0.00	102.8 (2-Lane)
1.300	15.69	3.39	0.00	118.0 (1-Lane)
1.400	5.41	2.43	0.00	84.6 (2-Lane)
1.400	6.37	2.88	0.00	100.2 (1-Lane)
1.500	2.95	2.95	0.00	102.5 (2-Lane)
1.500	3.41	3.41	0.00	118.5 (1-Lane)
1.600	2.43	5.41	0.00	84.6 (2-Lane)
1.600	2.88	6.38	0.00	100.2 (1-Lane)
1.700	2.96	13.67	0.00	102.8 (2-Lane)
1.700	3.39	15.69	0.00	118.0 (1-Lane)
1.800	2.13	27.93	0.00	74.0 (2-Lane)
1.800	2.44	32.06	0.00	84.9 (1-Lane)
1.900	2.30	131.85	0.00	79.8 (2-Lane)

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1.900	2.63	151.32	0.00	91.5 (1-Lane)
1.949	1.69	276.24	0.00	58.8 (2-Lane)
1.949	1.94	317.06	0.00	67.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3080

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LG
Rating Live Load: SU6

Gamma	DC	DW	LL		(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	198.98 R	149.61	148.79 R	111.87
1.200	443.0	70.2	358.99 R	269.92	268.43 R	201.83
1.300	581.4	92.1	466.36 R	350.64	348.71 R	262.19
1.400	664.5	105.3	526.02 R	395.50	393.32 R	295.73
1.500	692.1	109.7	541.77 R	407.35	405.10 R	304.59
1.600	664.5	105.3	526.02 R	395.50	393.32 R	295.73
1.700	581.4	92.1	466.36 R	350.64	348.71 R	262.19
1.800	443.0	70.2	358.99 R	269.92	268.43 R	201.83
1.900	249.2	39.5	198.98 R	149.61	148.79 R	111.87
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3080

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3081

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)

1.400	17.24	999.00	5.25	999.00	0.00	182.3	(2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8	(1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4	(2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3	(1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3	(2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8	(1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4	(2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8	(1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7	(2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2	(1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5	(2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	416.40 R	313.08	311.35 R	234.10
1.200	443.0	70.2	751.06 R	564.71	561.60 R	422.25
1.300	581.4	92.1	1004.00 R	754.88	750.72 R	564.45
1.400	664.5	105.3	1135.75 R	853.95	849.24 R	638.53
1.500	692.1	109.7	1175.91 R	884.14	879.27 R	661.11
1.600	664.5	105.3	1135.75 R	853.95	849.24 R	638.53
1.700	581.4	92.1	1004.00 R	754.88	750.72 R	564.45
1.800	443.0	70.2	751.06 R	564.71	561.60 R	422.25
1.900	249.2	39.5	416.40 R	313.08	311.35 R	234.10
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
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9999999_20120831cy17_FlexuralRpt.txt					
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	14.02	999.00	14.02	999.00	0.00 543.4 (2-Lane)
1.100	18.75	999.00	18.75	999.00	0.00 726.7 (1-Lane)
1.200	7.43	999.00	7.43	999.00	0.00 288.1 (2-Lane)
1.200	9.94	999.00	9.94	999.00	0.00 385.3 (1-Lane)
1.300	5.40	999.00	5.40	999.00	0.00 209.3 (2-Lane)
1.300	7.22	999.00	7.22	999.00	0.00 279.9 (1-Lane)
1.400	4.69	999.00	4.69	999.00	0.00 181.8 (2-Lane)
1.400	6.27	999.00	6.27	999.00	0.00 243.1 (1-Lane)
1.500	4.50	999.00	4.50	999.00	0.00 174.5 (2-Lane)
1.500	6.02	999.00	6.02	999.00	0.00 233.4 (1-Lane)
1.600	4.69	999.00	4.69	999.00	0.00 181.8 (2-Lane)
1.600	6.27	999.00	6.27	999.00	0.00 243.1 (1-Lane)
1.700	5.40	999.00	5.40	999.00	0.00 209.3 (2-Lane)
1.700	7.22	999.00	7.22	999.00	0.00 279.9 (1-Lane)
1.800	7.43	999.00	7.43	999.00	0.00 288.1 (2-Lane)
1.800	9.94	999.00	9.94	999.00	0.00 385.3 (1-Lane)
1.900	13.95	999.00	13.95	999.00	0.00 540.5 (2-Lane)
1.900	18.66	999.00	18.66	999.00	0.00 722.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	87.66	65.91	76.38	57.43
1.100	43.8	6.2	81.75	61.46	71.22	53.55
1.200	29.3	4.6	69.57	52.31	60.62	45.58
1.300	19.5	3.1	57.40	43.16	50.01	37.60
1.400	9.8	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-6.2	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-13.9	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: I-LEGL
Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.9	30.6	118.5	-129.8	107.2 (2-Lane)
1.400	91.7	30.6	122.3	-133.6	111.0 (1-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	51.4	48.2	99.7	-99.7	99.7 (1-Lane)
1.600	87.9	30.6	118.5	-107.2	129.8 (2-Lane)
1.600	91.7	30.6	122.3	-111.0	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)

1.949 67.0 131.9 198.8 -141.2 9999999_20120831cy17_FlexuralRpt.txt
2.000 0.0 0.0 0.0 0.0 256.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3087
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G16
Rating Type: I-LEGL
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.54	0.00	59.9 (2-Lane)
1.051	316.00	1.77	0.00	68.7 (1-Lane)
1.100	148.41	2.06	0.00	79.6 (2-Lane)
1.100	170.33	2.36	0.00	91.4 (1-Lane)
1.200	36.88	2.06	0.00	79.7 (2-Lane)
1.200	42.33	2.36	0.00	91.5 (1-Lane)
1.300	15.68	2.90	0.00	112.4 (2-Lane)
1.300	18.00	3.33	0.00	129.0 (1-Lane)
1.400	5.59	2.37	0.00	91.9 (2-Lane)
1.400	6.61	2.82	0.00	109.1 (1-Lane)
1.500	2.94	2.94	0.00	114.0 (2-Lane)
1.500	3.41	3.41	0.00	132.0 (1-Lane)
1.600	2.37	5.59	0.00	91.9 (2-Lane)
1.600	2.82	6.61	0.00	109.1 (1-Lane)
1.700	2.90	15.68	0.00	112.4 (2-Lane)
1.700	3.33	18.00	0.00	129.0 (1-Lane)
1.800	2.06	36.88	0.00	79.7 (2-Lane)
1.800	2.36	42.33	0.00	91.5 (1-Lane)
1.900	2.19	149.33	0.00	85.0 (2-Lane)
1.900	2.52	171.39	0.00	97.6 (1-Lane)
1.949	1.61	276.24	0.00	62.4 (2-Lane)
1.949	1.85	317.06	0.00	71.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3088
SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G16
Rating Type: III-LG
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05
1.200	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.300	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.400	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.500	692.1	109.7	587.96 R	442.07	439.63 R	330.55
1.600	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.700	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.800	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.900	249.2	39.5	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3088
SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
Member I. D. G16
Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7
Rating Live Load:
Span Service Resistance Available Resistance for LL+I
Positive Bending Negative Bending Positive Bending Negative Bending
Page 1249

	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3089

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G16

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0 (1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2 (2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7 (1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0 (2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3089

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
Year of Construction 1963
Roadway Width 55.500
Number of Spans 1

Live Load Distribution Factor 1.21

Condition Factor: 1.000
System Factor: 1.000
ADTT: 8050

Shear Live Load Dist. Factor 1.5

LRFD LLDF Moment	Span 1	Span 2	Span 3
	R1 R2 R3	R1 R2 R3	R1 R2 R3
1-lane DF	0.495 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000
1-lane ft	56.786 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000
	Span 1	Span 2	Span 3
	R1 R2 R3	R1 R2 R3	R1 R2 R3
2-lane DF	0.662 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000
2-lane ft	56.786 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000

LRFD LLDF Shear

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.738	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G17 01-IG017
Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:
Span Range Range Section Section Section Hinge Location
No. No. Length Left Right Variation No. 1 No. 2

1 1 56.786 1 0 0.0 0.0

Range Length -- Composite:
Span Range Range Composite
No. No. Length Code

1 1 56.786 C

Superimposed Dead Load:
Span Load Dist. from Distributed Load (lbs/ft) Concentrated
No. Type Left Supp. Left Right Length Load (kips)

1 W 0.000 217.7 217.7 56.786 0.0
1 Z 0.000 169.9 169.9 56.786 0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3089

SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3090

SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Section Bott.	Modulus	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8		761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.6		770.6
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2		779.0
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9		795.3
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3		805.9
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9		812.3
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	479.8		814.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	481.9		812.3
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	488.3		805.9
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	498.9		795.3
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	513.7		780.5
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	522.8		771.4
2.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8		761.4

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3091

SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Span	Neutral Axis		Moment of Inertia	+Bend (n=n)	+Bend (n=3n)	Section Modulus		+Bend (n=3n)	+Bend (n=3n)
	Top	Bott.				Top	Bott.		
1.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.051	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.100	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.200	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.300	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.400	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.500	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.600	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.700	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.800	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.900	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
1.949	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	
2.000	11.30	33.70	374993.6	242400.3	33108.6	11136.0	13153.4	9122.6	

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3091

SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement Area	Dy
1.000	80.00	7.50	6.00	0.00	0.00
1.051	80.00	7.50	6.00	0.00	0.00
1.100	80.00	7.50	6.00	0.00	0.00
1.200	80.00	7.50	6.00	0.00	0.00
1.300	80.00	7.50	6.00	0.00	0.00
1.400	80.00	7.50	6.00	0.00	0.00
1.500	80.00	7.50	6.00	0.00	0.00
1.600	80.00	7.50	6.00	0.00	0.00
1.700	80.00	7.50	6.00	0.00	0.00
1.800	80.00	7.50	6.00	0.00	0.00
1.900	80.00	7.50	6.00	0.00	0.00
1.949	80.00	7.50	6.00	0.00	0.00
2.000	80.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3092

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: HL93

Rating Live Load:		H99		(2-Lane)		(1-Lane)				
Gamma	DC 1.25	DW 1.25	LL 1.75	LL 1.75	LL 1.75	LL 1.75	LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	571.02 R	0.00	456.04	0.00	426.97 R	0.00	340.99	0.00
1.200	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.300	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.400	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.500	692.1	109.7	1442.36 R	0.00	1158.64	0.00	1078.50 R	0.00	866.35	0.00
1.600	664.5	105.3	1419.18 R	0.00	1138.24	0.00	1061.17 R	0.00	851.10	0.00
1.700	581.4	92.1	1263.36 R	0.00	1012.18	0.00	944.66 R	0.00	756.84	0.00
1.800	443.0	70.2	992.14 R	0.00	793.43	0.00	741.86 R	0.00	593.27	0.00
1.900	249.2	39.5	571.02 R	0.00	456.03	0.00	426.97 R	0.00	340.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance		Negative Bending Top	Bending Bott.	Available Resistance for LL+I			
	Positive Top	Bending Bott.			Positive Top	Bending Bott.	Negative Bending Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	10.23	999.00	10.23	999.00	0.00	368.1 (2-Lane)
1.100	13.68	999.00	13.68	999.00	0.00	492.3 (1-Lane)
1.200	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.200	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.300	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.300	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.400	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.400	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.500	3.67	999.00	3.67	999.00	0.00	132.2 (2-Lane)
1.500	4.91	999.00	4.91	999.00	0.00	176.7 (1-Lane)
1.600	3.75	999.00	3.75	999.00	0.00	135.1 (2-Lane)
1.600	5.02	999.00	5.02	999.00	0.00	180.7 (1-Lane)
1.700	4.29	999.00	4.29	999.00	0.00	154.5 (2-Lane)
1.700	5.74	999.00	5.74	999.00	0.00	206.7 (1-Lane)
1.800	5.63	999.00	5.63	999.00	0.00	202.6 (2-Lane)
1.800	7.53	999.00	7.53	999.00	0.00	271.0 (1-Lane)
1.900	10.17	999.00	10.17	999.00	0.00	366.2 (2-Lane)
1.900	13.60	999.00	13.60	999.00	0.00	489.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3095

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	118.11	0.00	94.04	0.00	102.90	0.00	81.94
1.100	43.8	6.2	109.99	0.00	87.42	0.00	95.83	0.00	76.16
1.200	29.3	4.6	93.63	0.00	74.13	0.00	81.58	0.00	64.58
1.300	19.5	3.1	77.74	0.00	61.31	0.00	67.74	0.00	53.42
1.400	9.8	1.5	62.33	0.00	48.96	0.00	54.30	0.00	42.66
1.500	0.0	0.0	47.38	0.00	37.08	0.00	41.28	0.00	32.30
1.600	-9.8	-1.5	-62.33	0.00	-48.96	0.00	-54.30	0.00	-42.66
1.700	-19.5	-3.1	-77.74	0.00	-61.31	0.00	-67.74	0.00	-53.42
1.800	-29.3	-4.6	-93.63	0.00	-74.13	0.00	-81.58	0.00	-64.58
1.900	-39.0	-6.2	-109.99	0.00	-87.41	0.00	-95.83	0.00	-76.16
1.949	-43.7	-13.9	-118.11	0.00	-94.04	0.00	-102.90	0.00	-81.94
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3096

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: HL93

Shear Resistance

Available Resistance for LL+I

	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.9	30.6	127.5	-138.8	116.2 (2-Lane)
1.400	101.9	30.6	132.5	-143.8	121.2 (1-Lane)
1.500	59.7	48.2	108.0	-108.0	108.0 (2-Lane)
1.500	61.6	48.2	109.8	-109.8	109.8 (1-Lane)
1.600	96.9	30.6	127.5	-116.2	138.8 (2-Lane)
1.600	101.9	30.6	132.5	-121.2	143.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: HL93

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.15	0.00	41.3 (2-Lane)
1.051	103.83	1.32	0.00	47.4 (1-Lane)
1.100	48.17	1.53	0.00	55.0 (2-Lane)
1.100	55.29	1.75	0.00	63.1 (1-Lane)
1.200	13.98	1.53	0.00	55.0 (2-Lane)
1.200	16.04	1.75	0.00	63.2 (1-Lane)
1.300	8.52	2.14	0.00	77.1 (2-Lane)
1.300	9.78	2.46	0.00	88.5 (1-Lane)
1.400	3.96	1.87	0.00	67.1 (2-Lane)
1.400	4.70	2.23	0.00	80.3 (1-Lane)
1.500	2.28	2.28	0.00	82.0 (2-Lane)
1.500	2.66	2.66	0.00	95.8 (1-Lane)
1.600	1.87	3.96	0.00	67.1 (2-Lane)
1.600	2.23	4.70	0.00	80.3 (1-Lane)
1.700	2.14	8.52	0.00	77.1 (2-Lane)
1.700	2.46	9.78	0.00	88.5 (1-Lane)
1.800	1.53	13.98	0.00	55.0 (2-Lane)
1.800	1.75	16.04	0.00	63.2 (1-Lane)
1.900	1.63	46.51	0.00	58.7 (2-Lane)
1.900	1.87	53.38	0.00	67.4 (1-Lane)
1.949	1.20	88.82	0.00	43.0 (2-Lane)
1.949	1.37	101.94	0.00	49.4 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3098

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88	0.00
1.200	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21	0.00
1.300	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98	0.00
1.400	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00
1.500	553.7	87.8	659.37 R	0.00	529.66	0.00	493.03 R	0.00	396.05	0.00
1.600	531.6	84.2	648.77 R	0.00	520.34	0.00	485.11 R	0.00	389.08	0.00

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1.700	465.1	73.7	577.53 R	0.00	462.71	0.00	431.84 R	0.00	345.98
1.800	354.4	56.2	453.55 R	0.00	362.71	0.00	339.13 R	0.00	271.21
1.900	199.3	31.6	261.04 R	0.00	208.47	0.00	195.19 R	0.00	155.88
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3098

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: HL93
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3099

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S
Rating Live Load: HL93

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	42.58	999.00	12.96	999.00	0.00	466.5 (2-Lane)
1.100	56.94	999.00	17.33	999.00	0.00	623.9 (1-Lane)
1.200	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.200	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.300	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.300	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.400	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.400	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.500	13.55	999.00	4.12	999.00	0.00	148.5 (2-Lane)
1.500	18.12	999.00	5.52	999.00	0.00	198.6 (1-Lane)
1.600	13.97	999.00	4.25	999.00	0.00	153.1 (2-Lane)
1.600	18.69	999.00	5.69	999.00	0.00	204.8 (1-Lane)
1.700	16.39	999.00	4.98	999.00	0.00	179.4 (2-Lane)
1.700	21.91	999.00	6.66	999.00	0.00	239.9 (1-Lane)
1.800	22.32	999.00	6.78	999.00	0.00	244.1 (2-Lane)
1.800	29.86	999.00	9.07	999.00	0.00	326.5 (1-Lane)
1.900	42.34	999.00	12.84	999.00	0.00	462.4 (2-Lane)
1.900	56.62	999.00	17.18	999.00	0.00	618.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3100

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load:		HS20		(2-Lane)		(1-Lane)				
Gamma	DC	DW		LL		LL				
	1.25	1.25		1.75		1.75				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.200	443.0	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.300	581.4	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.400	664.5	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.500	692.1	109.7	1143.51 R	0.00	859.78	0.00	855.04 R	0.00	642.89	0.00
1.600	664.5	105.3	1132.28 R	0.00	851.34	0.00	846.64 R	0.00	636.57	0.00
1.700	581.4	92.1	1012.32 R	0.00	761.14	0.00	756.94 R	0.00	569.13	0.00
1.800	443.0	70.2	800.87 R	0.00	602.16	0.00	598.84 R	0.00	450.25	0.00
1.900	249.2	39.5	463.43 R	0.00	348.45	0.00	346.52 R	0.00	260.54	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3101

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: HS20

Moment					
Span	Rating Factor		Load Resistance		
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	12.60	999.00	12.60	999.00	251.99 (2-Lane)
1.100	16.85	999.00	16.85	999.00	337.01 (1-Lane)
1.200	6.97	999.00	6.97	999.00	139.44 (2-Lane)
1.200	9.32	999.00	9.32	999.00	186.48 (1-Lane)
1.300	5.36	999.00	5.36	999.00	107.15 (2-Lane)
1.300	7.16	999.00	7.16	999.00	143.30 (1-Lane)
1.400	4.70	999.00	4.70	999.00	94.10 (2-Lane)
1.400	6.29	999.00	6.29	999.00	125.84 (1-Lane)
1.500	4.63	999.00	4.63	999.00	92.61 (2-Lane)
1.500	6.19	999.00	6.19	999.00	123.86 (1-Lane)
1.600	4.70	999.00	4.70	999.00	94.10 (2-Lane)
1.600	6.29	999.00	6.29	999.00	125.84 (1-Lane)
1.700	5.36	999.00	5.36	999.00	107.15 (2-Lane)
1.700	7.16	999.00	7.16	999.00	143.30 (1-Lane)
1.800	6.97	999.00	6.97	999.00	139.44 (2-Lane)
1.800	9.32	999.00	9.32	999.00	186.48 (1-Lane)
1.900	12.53	999.00	12.53	999.00	250.66 (2-Lane)
1.900	16.76	999.00	16.76	999.00	335.23 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3103

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	96.99	0.00	72.93	0.00	84.51	0.00	63.54	0.00
1.100	43.8	6.2	90.98	0.00	68.41	0.00	79.27	0.00	59.60	0.00
1.200	29.3	4.6	78.61	0.00	59.11	0.00	68.49	0.00	51.50	0.00
1.300	19.5	3.1	66.24	0.00	49.81	0.00	57.72	0.00	43.40	0.00
1.400	9.8	1.5	53.88	0.00	40.51	0.00	46.94	0.00	35.29	0.00
1.500	0.0	0.0	41.51	0.00	31.21	0.00	36.17	0.00	27.19	0.00
1.600	-9.8	-1.5	-53.88	0.00	-40.51	0.00	-46.94	0.00	-35.29	0.00
1.700	-19.5	-3.1	-66.24	0.00	-49.81	0.00	-57.72	0.00	-43.40	0.00
1.800	-29.3	-4.6	-78.61	0.00	-59.11	0.00	-68.49	0.00	-51.50	0.00
1.900	-39.0	-6.2	-90.98	0.00	-68.41	0.00	-79.27	0.00	-59.60	0.00
1.949	-43.7	-13.9	-96.99	0.00	-72.93	0.00	-84.51	0.00	-63.54	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	98.4	30.6	128.9	-140.2	117.7 (2-Lane)
1.400	102.4	30.6	132.9	-144.2	121.7 (1-Lane)
1.500	60.2	48.2	108.5	-108.5	108.5 (2-Lane)
1.500	61.3	48.2	109.6	-109.6	109.6 (1-Lane)
1.600	98.4	30.6	129.0	-117.7	140.2 (2-Lane)
1.600	102.4	30.6	133.0	-121.7	144.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3105

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: HS20

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	90.46	1.40	27.92	50.3 (2-Lane)
1.051	103.83	1.60	32.05	57.7 (1-Lane)
1.100	48.76	1.85	36.93	66.5 (2-Lane)
1.100	55.97	2.12	42.39	76.3 (1-Lane)
1.200	19.18	1.82	36.42	65.5 (2-Lane)
1.200	22.02	2.09	41.80	75.2 (1-Lane)
1.300	10.90	2.51	50.27	90.5 (2-Lane)
1.300	12.51	2.88	57.70	103.9 (1-Lane)

1.400	4.61	2.18	43.67	78.6 (2-Lane)
1.400	5.44	2.59	51.83	93.3 (1-Lane)
1.500	2.61	2.61	52.26	94.1 (2-Lane)
1.500	3.03	3.03	60.59	109.1 (1-Lane)
1.600	2.18	4.61	43.68	78.6 (2-Lane)
1.600	2.59	5.44	51.83	93.3 (1-Lane)
1.700	2.51	10.90	50.27	90.5 (2-Lane)
1.700	2.88	12.51	57.70	103.9 (1-Lane)
1.800	1.82	19.18	36.42	65.5 (2-Lane)
1.800	2.09	22.02	41.80	75.2 (1-Lane)
1.900	1.97	49.06	39.42	71.0 (2-Lane)
1.900	2.26	56.31	45.24	81.4 (1-Lane)
1.949	1.46	90.77	29.12	52.4 (2-Lane)
1.949	1.67	104.18	33.42	60.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3106

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.200	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.300	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.400	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.500	553.7	87.8	522.75 R	0.00	393.04	0.00	390.87 R	0.00	293.89	0.00
1.600	531.6	84.2	517.61 R	0.00	389.18	0.00	387.04 R	0.00	291.01	0.00
1.700	465.1	73.7	462.77 R	0.00	347.95	0.00	346.03 R	0.00	260.17	0.00
1.800	354.4	56.2	366.11 R	0.00	275.27	0.00	273.75 R	0.00	205.83	0.00
1.900	199.3	31.6	211.86 R	0.00	159.29	0.00	158.41 R	0.00	119.11	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3106

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S

Rating Live Load: HS20

Service

Span	Rating top fiber	Factor bottom fiber	Rating Value	Load Resistance
------	---------------------	------------------------	-----------------	--------------------

9999999_20120831cy17_FlexuralRpt.txt
(tons)

	+bend	-bend	+bend	-bend			
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	52.46	999.00	15.97	999.00	319.35	574.8	(2-Lane)
1.100	70.16	999.00	21.35	999.00	427.09	768.8	(1-Lane)
1.200	27.66	999.00	8.40	999.00	168.02	302.4	(2-Lane)
1.200	36.99	999.00	11.24	999.00	224.71	404.5	(1-Lane)
1.300	20.45	999.00	6.22	999.00	124.38	223.9	(2-Lane)
1.300	27.35	999.00	8.32	999.00	166.34	299.4	(1-Lane)
1.400	17.51	999.00	5.33	999.00	106.62	191.9	(2-Lane)
1.400	23.42	999.00	7.13	999.00	142.59	256.7	(1-Lane)
1.500	17.09	999.00	5.20	999.00	104.06	187.3	(2-Lane)
1.500	22.85	999.00	6.96	999.00	139.16	250.5	(1-Lane)
1.600	17.51	999.00	5.33	999.00	106.62	191.9	(2-Lane)
1.600	23.42	999.00	7.13	999.00	142.59	256.7	(1-Lane)
1.700	20.45	999.00	6.22	999.00	124.38	223.9	(2-Lane)
1.700	27.35	999.00	8.32	999.00	166.34	299.4	(1-Lane)
1.800	27.66	999.00	8.40	999.00	168.02	302.4	(2-Lane)
1.800	36.99	999.00	11.24	999.00	224.71	404.5	(1-Lane)
1.900	52.17	999.00	15.83	999.00	316.51	569.7	(2-Lane)
1.900	69.77	999.00	21.17	999.00	423.29	761.9	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3108

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.200	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.300	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.400	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.500	692.1	109.7	856.42 R	0.00	643.92	0.00	640.37 R	0.00	481.48	0.00
1.600	664.5	105.3	839.17 R	0.00	630.96	0.00	627.48 R	0.00	471.79	0.00
1.700	581.4	92.1	746.76 R	0.00	561.47	0.00	558.37 R	0.00	419.83	0.00
1.800	443.0	70.2	585.33 R	0.00	440.10	0.00	437.67 R	0.00	329.08	0.00
1.900	249.2	39.5	336.41 R	0.00	252.94	0.00	251.55 R	0.00	189.13	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Negative Bott.	Available Resistance for LL+I Positive Top	Negative Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3110

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.36	999.00	17.36	999.00	0.00	433.9 (2-Lane)
1.100	23.21	999.00	23.21	999.00	0.00	580.3 (1-Lane)
1.200	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.200	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.300	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.300	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.400	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.400	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.500	6.18	999.00	6.18	999.00	0.00	154.6 (2-Lane)
1.500	8.27	999.00	8.27	999.00	0.00	206.7 (1-Lane)
1.600	6.35	999.00	6.35	999.00	0.00	158.7 (2-Lane)
1.600	8.49	999.00	8.49	999.00	0.00	212.2 (1-Lane)
1.700	7.26	999.00	7.26	999.00	0.00	181.6 (2-Lane)
1.700	9.71	999.00	9.71	999.00	0.00	242.8 (1-Lane)
1.800	9.54	999.00	9.54	999.00	0.00	238.5 (2-Lane)
1.800	12.76	999.00	12.76	999.00	0.00	318.9 (1-Lane)
1.900	17.26	999.00	17.26	999.00	0.00	431.6 (2-Lane)
1.900	23.09	999.00	23.09	999.00	0.00	577.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.22	0.00	52.80	0.00	61.18	0.00	46.00
1.100	43.8	6.2	66.04	0.00	49.66	0.00	57.54	0.00	43.26
1.200	29.3	4.6	57.46	0.00	43.20	0.00	50.06	0.00	37.64
1.300	19.5	3.1	48.87	0.00	36.74	0.00	42.58	0.00	32.01
1.400	9.8	1.5	40.28	0.00	30.28	0.00	35.09	0.00	26.39
1.500	0.0	0.0	31.69	0.00	23.83	0.00	27.61	0.00	20.76
1.600	-9.8	-1.5	-40.28	0.00	-30.28	0.00	-35.09	0.00	-26.39
1.700	-19.5	-3.1	-48.87	0.00	-36.74	0.00	-42.58	0.00	-32.01
1.800	-29.3	-4.6	-57.46	0.00	-43.20	0.00	-50.06	0.00	-37.64
1.900	-39.0	-6.2	-66.04	0.00	-49.66	0.00	-57.54	0.00	-43.26
1.949	-43.7	-13.9	-70.22	0.00	-52.80	0.00	-61.18	0.00	-46.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)

1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.4	30.6	123.9	-135.2	112.6 (2-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (1-Lane)
1.500	55.3	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	55.3	48.2	103.6	-103.6	103.6 (1-Lane)
1.600	93.4	30.6	123.9	-112.6	135.2 (2-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.93	0.00	48.2 (2-Lane)
1.051	195.44	2.21	0.00	55.3 (1-Lane)
1.100	70.85	2.54	0.00	63.6 (2-Lane)
1.100	81.31	2.92	0.00	73.0 (1-Lane)
1.200	21.92	2.49	0.00	62.3 (2-Lane)
1.200	25.15	2.86	0.00	71.5 (1-Lane)
1.300	13.69	3.41	0.00	85.2 (2-Lane)
1.300	15.71	3.91	0.00	97.8 (1-Lane)
1.400	5.85	2.80	0.00	69.9 (2-Lane)
1.400	6.85	3.28	0.00	82.1 (1-Lane)
1.500	3.27	3.27	0.00	81.6 (2-Lane)
1.500	3.75	3.75	0.00	93.8 (1-Lane)
1.600	2.80	5.85	0.00	69.9 (2-Lane)
1.600	3.28	6.85	0.00	82.1 (1-Lane)
1.700	3.41	13.69	0.00	85.2 (2-Lane)
1.700	3.91	15.71	0.00	97.8 (1-Lane)
1.800	2.49	21.92	0.00	62.3 (2-Lane)
1.800	2.86	25.15	0.00	71.5 (1-Lane)
1.900	2.71	71.29	0.00	67.9 (2-Lane)
1.900	3.12	81.82	0.00	77.9 (1-Lane)
1.949	2.01	170.85	0.00	50.3 (2-Lane)
1.949	2.31	196.10	0.00	57.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.200	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.300	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.400	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.500	553.7	87.8	391.51 R	0.00	294.36	0.00	292.74 R	0.00	220.11	0.00
1.600	531.6	84.2	383.62 R	0.00	288.44	0.00	286.85 R	0.00	215.67	0.00
1.700	465.1	73.7	341.37 R	0.00	256.67	0.00	255.26 R	0.00	191.92	0.00
1.800	354.4	56.2	267.58 R	0.00	201.19	0.00	200.08 R	0.00	150.44	0.00
1.900	199.3	31.6	153.79 R	0.00	115.63	0.00	114.99 R	0.00	86.46	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S
Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3S2

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.75	1.75	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
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1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.200	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.300	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.400	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.500	692.1	109.7	930.21 R	0.00	699.41	0.00	695.55 R	0.00	522.97	0.00
1.600	664.5	105.3	947.74 R	0.00	712.58	0.00	708.65 R	0.00	532.82	0.00
1.700	581.4	92.1	856.08 R	0.00	643.67	0.00	640.12 R	0.00	481.29	0.00
1.800	443.0	70.2	654.01 R	0.00	491.74	0.00	489.03 R	0.00	367.69	0.00
1.900	249.2	39.5	397.00 R	0.00	298.50	0.00	296.85 R	0.00	223.20	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.71	999.00	14.71	999.00	0.00	588.3 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	786.8 (1-Lane)
1.200	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.200	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.300	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.300	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.500	5.69	999.00	5.69	999.00	0.00	227.7 (2-Lane)
1.500	7.61	999.00	7.61	999.00	0.00	304.5 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	224.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	300.7 (1-Lane)
1.700	6.34	999.00	6.34	999.00	0.00	253.4 (2-Lane)
1.700	8.47	999.00	8.47	999.00	0.00	338.9 (1-Lane)
1.800	8.54	999.00	8.54	999.00	0.00	341.5 (2-Lane)
1.800	11.42	999.00	11.42	999.00	0.00	456.7 (1-Lane)
1.900	14.63	999.00	14.63	999.00	0.00	585.2 (2-Lane)
1.900	19.57	999.00	19.57	999.00	0.00	782.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	67.45	0.00	50.72	0.00	58.77	0.00	44.19	0.00
1.100	43.8	6.2	77.94	0.00	58.60	0.00	67.91	0.00	51.06	0.00
1.200	29.3	4.6	64.20	0.00	48.27	0.00	55.93	0.00	42.05	0.00
1.300	19.5	3.1	50.91	0.00	38.28	0.00	44.36	0.00	33.35	0.00
1.400	9.8	1.5	39.54	0.00	29.73	0.00	34.45	0.00	25.90	0.00
1.500	0.0	0.0	28.37	0.00	21.33	0.00	24.72	0.00	18.59	0.00
1.600	-9.8	-1.5	-39.54	0.00	-29.73	0.00	-34.45	0.00	-25.90	0.00
1.700	-19.5	-3.1	-50.91	0.00	-38.28	0.00	-44.36	0.00	-33.35	0.00
1.800	-29.3	-4.6	-64.20	0.00	-48.27	0.00	-55.93	0.00	-42.05	0.00
1.900	-39.0	-6.2	-77.94	0.00	-58.60	0.00	-67.91	0.00	-51.06	0.00
1.949	-43.7	-13.9	-84.62	0.00	-63.62	0.00	-73.72	0.00	-55.43	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.8	30.6	118.4	-129.7	107.1 (2-Lane)
1.400	90.8	30.6	121.4	-132.7	110.1 (1-Lane)
1.500	49.2	48.2	97.4	-97.4	97.4 (2-Lane)
1.500	49.5	48.2	97.7	-97.7	97.7 (1-Lane)
1.600	87.8	30.6	118.4	-107.1	129.7 (2-Lane)
1.600	90.8	30.6	121.4	-110.1	132.7 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3S2

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	2.01	0.00	80.3 (2-Lane)
1.051	195.44	2.30	0.00	92.2 (1-Lane)
1.100	70.85	2.16	0.00	86.2 (2-Lane)
1.100	81.31	2.47	0.00	99.0 (1-Lane)
1.200	21.92	2.23	0.00	89.2 (2-Lane)
1.200	25.15	2.56	0.00	102.4 (1-Lane)
1.300	13.69	3.27	0.00	130.8 (2-Lane)
1.300	15.71	3.75	0.00	150.2 (1-Lane)
1.400	6.09	2.71	0.00	108.3 (2-Lane)
1.400	7.15	3.20	0.00	127.9 (1-Lane)
1.500	3.43	3.43	0.00	137.3 (2-Lane)
1.500	3.95	3.95	0.00	158.1 (1-Lane)
1.600	2.71	6.09	0.00	108.3 (2-Lane)

9999999_20120831cy17_FlexuralRpt.txt				
1.600	3.20	7.15	0.00	127.9 (1-Lane)
1.700	3.27	13.69	0.00	130.8 (2-Lane)
1.700	3.75	15.71	0.00	150.2 (1-Lane)
1.800	2.23	21.92	0.00	89.2 (2-Lane)
1.800	2.56	25.15	0.00	102.4 (1-Lane)
1.900	2.30	71.29	0.00	92.0 (2-Lane)
1.900	2.64	81.82	0.00	105.6 (1-Lane)
1.949	1.67	170.85	0.00	66.8 (2-Lane)
1.949	1.92	196.10	0.00	76.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3122

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN

Rating Live Load: 3S2

		(2-Lane)		(1-Lane)	
Gamma	DC	DW	LL	LL	LL
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.200	354.4	56.2	298.98 R	0.00	224.79	0.00	223.56 R	0.00	168.09	0.00
1.300	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.400	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.500	553.7	87.8	425.24 R	0.00	319.73	0.00	317.97 R	0.00	239.07	0.00
1.600	531.6	84.2	433.25 R	0.00	325.75	0.00	323.96 R	0.00	243.58	0.00
1.700	465.1	73.7	391.35 R	0.00	294.25	0.00	292.63 R	0.00	220.02	0.00
1.800	354.4	56.2	298.98 R	0.00	224.79	0.00	223.55 R	0.00	168.09	0.00
1.900	199.3	31.6	181.49 R	0.00	136.46	0.00	135.70 R	0.00	102.03	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3122

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S

Rating Live Load: 3S2

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)

1.100	61.24	999.00	18.64	999.00	0.00	745.6	(2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0	(1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5	(2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3	(1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2	(2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4	(1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8	(2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7	(1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8	(2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1	(1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8	(2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7	(1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2	(2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4	(1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5	(2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3	(1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9	(2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
1.100	218.4	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55
1.200	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21
1.300	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14
1.400	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10
1.500	692.1	109.7	784.83 R	0.00	590.10	0.00	586.84 R	0.00	441.23
1.600	664.5	105.3	740.12 R	0.00	556.48	0.00	553.41 R	0.00	416.10
1.700	581.4	92.1	704.62 R	0.00	529.79	0.00	526.87 R	0.00	396.14
1.800	443.0	70.2	562.44 R	0.00	422.89	0.00	420.56 R	0.00	316.21
1.900	249.2	39.5	340.72 R	0.00	256.18	0.00	254.77 R	0.00	191.55
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3-3

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	Rating top +bend	Factor fiber -bend	Rating bottom +bend	Factor fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.14	999.00	17.14	999.00	0.00	685.5 (2-Lane)
1.100	22.92	999.00	22.92	999.00	0.00	916.8 (1-Lane)
1.200	9.93	999.00	9.93	999.00	0.00	397.1 (2-Lane)
1.200	13.28	999.00	13.28	999.00	0.00	531.1 (1-Lane)
1.300	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.300	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)
1.400	7.20	999.00	7.20	999.00	0.00	287.9 (2-Lane)
1.400	9.63	999.00	9.63	999.00	0.00	385.0 (1-Lane)
1.500	6.75	999.00	6.75	999.00	0.00	269.9 (2-Lane)
1.500	9.02	999.00	9.02	999.00	0.00	360.9 (1-Lane)
1.600	7.20	999.00	7.20	999.00	0.00	287.9 (2-Lane)
1.600	9.63	999.00	9.63	999.00	0.00	385.0 (1-Lane)
1.700	7.70	999.00	7.70	999.00	0.00	307.9 (2-Lane)
1.700	10.29	999.00	10.29	999.00	0.00	411.7 (1-Lane)
1.800	9.93	999.00	9.93	999.00	0.00	397.1 (2-Lane)
1.800	13.28	999.00	13.28	999.00	0.00	531.1 (1-Lane)
1.900	17.05	999.00	17.05	999.00	0.00	681.9 (2-Lane)
1.900	22.80	999.00	22.80	999.00	0.00	911.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.57	0.00	54.56	0.00
1.100	43.8	6.2	66.89	0.00	50.29	0.00
1.200	29.3	4.6	55.21	0.00	41.51	0.00
1.300	19.5	3.1	43.53	0.00	32.73	0.00
1.400	9.8	1.5	33.97	0.00	25.54	0.00
1.500	0.0	0.0	26.42	0.00	19.86	0.00
1.600	-9.8	-1.5	-33.97	0.00	-25.54	0.00
1.700	-19.5	-3.1	-43.53	0.00	-32.73	0.00
1.800	-29.3	-4.6	-55.21	0.00	-41.51	0.00
1.900	-39.0	-6.2	-66.89	0.00	-50.29	0.00
1.949	-43.7	-13.9	-72.57	0.00	-54.56	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.7	30.6	119.2	-130.5	107.9 (2-Lane)
1.400	90.8	30.6	121.3	-132.6	110.0 (1-Lane)
1.500	49.8	48.2	98.0	-98.0	98.0 (2-Lane)
1.500	49.6	48.2	97.8	-97.8	97.8 (1-Lane)

1.600	88.7	30.6	119.2	-108.0	130.5 (2-Lane)
1.600	90.8	30.6	121.3	-110.0	132.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	206.77	1.87	0.00	74.6 (2-Lane)
1.051	237.32	2.14	0.00	85.7 (1-Lane)
1.100	86.03	2.51	0.00	100.5 (2-Lane)
1.100	98.74	2.88	0.00	115.3 (1-Lane)
1.200	26.61	2.59	0.00	103.7 (2-Lane)
1.200	30.55	2.98	0.00	119.0 (1-Lane)
1.300	16.62	3.83	0.00	153.0 (2-Lane)
1.300	19.08	4.39	0.00	175.6 (1-Lane)
1.400	6.92	3.18	0.00	127.1 (2-Lane)
1.400	8.07	3.72	0.00	148.7 (1-Lane)
1.500	3.71	3.71	0.00	148.4 (2-Lane)
1.500	4.25	4.25	0.00	170.0 (1-Lane)
1.600	3.18	6.92	0.00	127.1 (2-Lane)
1.600	3.72	8.07	0.00	148.7 (1-Lane)
1.700	3.83	16.62	0.00	153.0 (2-Lane)
1.700	4.39	19.08	0.00	175.6 (1-Lane)
1.800	2.59	26.61	0.00	103.7 (2-Lane)
1.800	2.98	30.55	0.00	119.0 (1-Lane)
1.900	2.68	86.56	0.00	107.2 (2-Lane)
1.900	3.08	99.35	0.00	123.1 (1-Lane)
1.949	1.95	207.47	0.00	77.8 (2-Lane)
1.949	2.23	238.12	0.00	89.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.200	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.300	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.400	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.500	553.7	87.8	358.78 R	0.00	269.76	0.00	268.27 R	0.00	201.71	0.00
1.600	531.6	84.2	338.34 R	0.00	254.39	0.00	252.99 R	0.00	190.22	0.00
1.700	465.1	73.7	322.11 R	0.00	242.19	0.00	240.85 R	0.00	181.09	0.00
1.800	354.4	56.2	257.12 R	0.00	193.32	0.00	192.25 R	0.00	144.55	0.00
1.900	199.3	31.6	155.76 R	0.00	117.11	0.00	116.46 R	0.00	87.57	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3130

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load: Span

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S
Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU4

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00
1.200	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00
1.300	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00
1.400	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00
1.500	692.1	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	218.4	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00
1.200	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00
1.300	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00
1.400	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00
1.500	692.1	109.7	974.73 R	0.00	732.88	0.00	728.84 R	0.00

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1.600	664.5	105.3	947.82 R	0.00	712.65	0.00	708.72 R	0.00	532.87	0.00
1.700	581.4	92.1	831.35 R	0.00	625.07	0.00	621.63 R	0.00	467.39	0.00
1.800	443.0	70.2	648.73 R	0.00	487.76	0.00	485.08 R	0.00	364.72	0.00
1.900	249.2	39.5	371.61 R	0.00	279.41	0.00	277.87 R	0.00	208.92	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.71	999.00	15.71	999.00	0.00	424.2 (2-Lane)
1.100	21.01	999.00	21.01	999.00	0.00	567.4 (1-Lane)
1.200	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.200	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.300	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.300	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.400	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.400	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.500	5.43	999.00	5.43	999.00	0.00	146.7 (2-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	196.2 (1-Lane)
1.600	5.62	999.00	5.62	999.00	0.00	151.8 (2-Lane)
1.600	7.52	999.00	7.52	999.00	0.00	202.9 (1-Lane)
1.700	6.52	999.00	6.52	999.00	0.00	176.1 (2-Lane)
1.700	8.72	999.00	8.72	999.00	0.00	235.6 (1-Lane)
1.800	8.61	999.00	8.61	999.00	0.00	232.4 (2-Lane)
1.800	11.51	999.00	11.51	999.00	0.00	310.8 (1-Lane)
1.900	15.63	999.00	15.63	999.00	0.00	422.0 (2-Lane)
1.900	20.90	999.00	20.90	999.00	0.00	564.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: SU4

(2-Lane)	(1-Lane)
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Gamma	DC 1.25	DW 1.25	LL 1.75				LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	77.46	0.00	58.24	0.00	67.49	0.00	50.74	0.00
1.100	43.8	6.2	72.95	0.00	54.85	0.00	63.56	0.00	47.79	0.00
1.200	29.3	4.6	63.68	0.00	47.88	0.00	55.48	0.00	41.71	0.00
1.300	19.5	3.1	54.40	0.00	40.90	0.00	47.40	0.00	35.64	0.00
1.400	9.8	1.5	45.13	0.00	33.93	0.00	39.32	0.00	29.56	0.00
1.500	0.0	0.0	35.85	0.00	26.96	0.00	31.24	0.00	23.49	0.00
1.600	-9.8	-1.5	-45.13	0.00	-33.93	0.00	-39.32	0.00	-29.56	0.00
1.700	-19.5	-3.1	-54.40	0.00	-40.90	0.00	-47.40	0.00	-35.64	0.00
1.800	-29.3	-4.6	-63.68	0.00	-47.88	0.00	-55.48	0.00	-41.71	0.00
1.900	-39.0	-6.2	-72.95	0.00	-54.85	0.00	-63.56	0.00	-47.79	0.00
1.949	-43.7	-13.9	-77.46	0.00	-58.24	0.00	-67.49	0.00	-50.74	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	95.2	30.6	125.7	-137.0	114.4 (2-Lane)
1.400	98.3	30.6	128.9	-140.2	117.6 (1-Lane)
1.500	57.6	48.2	105.9	-105.9	105.9 (2-Lane)
1.500	58.2	48.2	106.4	-106.4	106.4 (1-Lane)
1.600	95.2	30.6	125.7	-114.5	137.0 (2-Lane)
1.600	98.3	30.6	128.9	-117.6	140.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU4

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.75	0.00	47.2 (2-Lane)
1.051	195.44	2.01	0.00	54.2 (1-Lane)
1.100	70.85	2.30	0.00	62.2 (2-Lane)
1.100	81.31	2.64	0.00	71.4 (1-Lane)
1.200	20.21	2.25	0.00	60.7 (2-Lane)
1.200	23.20	2.58	0.00	69.7 (1-Lane)
1.300	11.99	3.06	0.00	82.6 (2-Lane)
1.300	13.77	3.51	0.00	94.8 (1-Lane)
1.400	5.16	2.54	0.00	68.5 (2-Lane)
1.400	6.05	2.99	0.00	80.7 (1-Lane)
1.500	2.95	2.95	0.00	79.7 (2-Lane)
1.500	3.41	3.41	0.00	92.0 (1-Lane)
1.600	2.54	5.16	0.00	68.5 (2-Lane)
1.600	2.99	6.05	0.00	80.7 (1-Lane)
1.700	3.06	11.99	0.00	82.6 (2-Lane)
1.700	3.51	13.77	0.00	94.8 (1-Lane)
1.800	2.25	20.21	0.00	60.7 (2-Lane)
1.800	2.58	23.20	0.00	69.7 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt
1.900 2.46 71.29 0.00 66.4 (2-Lane)
1.900 2.82 81.82 0.00 76.2 (1-Lane)

1.949 1.82 170.85 0.00 49.2 (2-Lane)
1.949 2.09 196.10 0.00 56.5 (1-Lane)

2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3138

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN

Rating Live Load: SU4

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.200	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.300	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.400	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.500	553.7	87.8	445.59 R	0.00	335.03	0.00	333.18 R	0.00	250.51	0.00
1.600	531.6	84.2	433.29 R	0.00	325.78	0.00	323.99 R	0.00	243.60	0.00
1.700	465.1	73.7	380.04 R	0.00	285.75	0.00	284.17 R	0.00	213.66	0.00
1.800	354.4	56.2	296.56 R	0.00	222.98	0.00	221.75 R	0.00	166.73	0.00
1.900	199.3	31.6	169.88 R	0.00	127.73	0.00	127.02 R	0.00	95.51	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3138

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3139

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S

Rating Live Load: SU4

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)

1.300	33.30	999.00	10.13	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00 171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00 230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00 164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00 220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00 171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00 230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00 204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00 273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00 280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00 374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00 532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00 712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	LL	LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.200	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.300	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.400	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.500	692.1	109.7	1063.44 R	0.00	799.58	0.00	795.17 R	0.00	597.87	0.00
1.600	664.5	105.3	1046.79 R	0.00	787.06	0.00	782.72 R	0.00	588.51	0.00
1.700	581.4	92.1	921.64 R	0.00	692.96	0.00	689.14 R	0.00	518.15	0.00
1.800	443.0	70.2	716.35 R	0.00	538.61	0.00	535.64 R	0.00	402.73	0.00
1.900	249.2	39.5	412.42 R	0.00	310.09	0.00	308.38 R	0.00	231.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU5

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
------	------------------------------	---------------------------------	-----------------	------------------------------

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.16	999.00	14.16	999.00	0.00	438.9 (2-Lane)
1.100	18.93	999.00	18.93	999.00	0.00	587.0 (1-Lane)
1.200	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.200	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.300	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.300	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.400	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.400	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.500	4.98	999.00	4.98	999.00	0.00	154.4 (2-Lane)
1.500	6.66	999.00	6.66	999.00	0.00	206.4 (1-Lane)
1.600	5.09	999.00	5.09	999.00	0.00	157.8 (2-Lane)
1.600	6.81	999.00	6.81	999.00	0.00	211.0 (1-Lane)
1.700	5.88	999.00	5.88	999.00	0.00	182.4 (2-Lane)
1.700	7.87	999.00	7.87	999.00	0.00	244.0 (1-Lane)
1.800	7.80	999.00	7.80	999.00	0.00	241.6 (2-Lane)
1.800	10.42	999.00	10.42	999.00	0.00	323.2 (1-Lane)
1.900	14.08	999.00	14.08	999.00	0.00	436.6 (2-Lane)
1.900	18.83	999.00	18.83	999.00	0.00	583.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3143

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	86.14	0.00	64.77	0.00	75.05	56.43
1.100	43.8	6.2	80.96	0.00	60.88	0.00	70.54	53.04
1.200	29.3	4.6	70.32	0.00	52.87	0.00	61.26	46.06
1.300	19.5	3.1	59.67	0.00	44.86	0.00	51.99	39.09
1.400	9.8	1.5	49.02	0.00	36.85	0.00	42.71	32.11
1.500	0.0	0.0	38.37	0.00	28.85	0.00	33.43	25.13
1.600	-9.8	-1.5	-49.02	0.00	-36.85	0.00	-42.71	-32.11
1.700	-19.5	-3.1	-59.67	0.00	-44.86	0.00	-51.99	-39.09
1.800	-29.3	-4.6	-70.32	0.00	-52.87	0.00	-61.26	-46.06
1.900	-39.0	-6.2	-80.96	0.00	-60.88	0.00	-70.54	-53.04
1.949	-43.7	-13.9	-86.14	0.00	-64.77	0.00	-75.05	-56.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	96.0	30.6	126.5	-137.8	115.2 (2-Lane)
1.400	99.5	30.6	130.1	-141.4	118.8 (1-Lane)
1.500	58.5	48.2	106.8	-106.8	106.8 (2-Lane)
1.500	59.3	48.2	107.6	-107.6	107.6 (1-Lane)
1.600	96.0	30.6	126.5	-115.2	137.8 (2-Lane)
1.600	99.5	30.6	130.1	-118.8	141.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)

1.949 67.0 131.9 198.8 -141.2 256.4 (2-Lane)
1.949 67.0 131.9 198.8 -141.2 256.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3145

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	170.28	1.57	0.00	48.7 (2-Lane)
1.051	195.44	1.80	0.00	55.9 (1-Lane)
1.100	70.85	2.08	0.00	64.3 (2-Lane)
1.100	81.31	2.38	0.00	73.8 (1-Lane)
1.200	20.21	2.04	0.00	63.1 (2-Lane)
1.200	23.20	2.34	0.00	72.4 (1-Lane)
1.300	11.22	2.79	0.00	86.5 (2-Lane)
1.300	12.88	3.20	0.00	99.3 (1-Lane)
1.400	4.97	2.35	0.00	72.9 (2-Lane)
1.400	5.86	2.78	0.00	86.3 (1-Lane)
1.500	2.78	2.78	0.00	86.3 (2-Lane)
1.500	3.22	3.22	0.00	99.8 (1-Lane)
1.600	2.35	4.97	0.00	72.9 (2-Lane)
1.600	2.78	5.86	0.00	86.3 (1-Lane)
1.700	2.79	11.22	0.00	86.5 (2-Lane)
1.700	3.20	12.88	0.00	99.3 (1-Lane)
1.800	2.04	20.21	0.00	63.1 (2-Lane)
1.800	2.34	23.20	0.00	72.4 (1-Lane)
1.900	2.21	71.29	0.00	68.7 (2-Lane)
1.900	2.54	81.82	0.00	78.8 (1-Lane)
1.949	1.64	170.85	0.00	50.8 (2-Lane)
1.949	1.88	196.10	0.00	58.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3146

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN
Rating Live Load: SU5

Gamma DC DW (2-Lane) (1-Lane)
1.00 1.00 LL LL
0.80 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.200	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.300	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.400	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.500	553.7	87.8	486.14 R	0.00	365.52	0.00	363.51 R	0.00	273.31	0.00
1.600	531.6	84.2	478.53 R	0.00	359.80	0.00	357.81 R	0.00	269.03	0.00
1.700	465.1	73.7	421.32 R	0.00	316.78	0.00	315.04 R	0.00	236.87	0.00
1.800	354.4	56.2	327.47 R	0.00	246.22	0.00	244.86 R	0.00	184.11	0.00
1.900	199.3	31.6	188.54 R	0.00	141.76	0.00	140.97 R	0.00	106.00	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3146

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN
Rating Live Load: STRESSES

Rating Type: SU5

Rating Live Load: Service Resistance Available Resistance for LL+I
Span Page 1275

	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3147

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S

Rating Live Load: SU5

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3148

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: SU6

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.75				(1-Lane) LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	
1.100	218.4	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	
1.200	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	
1.300	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	
1.400	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	
1.500	692.1	109.7	1185.12 R	0.00	891.07	0.00	886.16 R	0.00	666.28	
1.600	664.5	105.3	1150.66 R	0.00	865.16	0.00	860.39 R	0.00	646.91	
1.700	581.4	92.1	1020.15 R	0.00	767.03	0.00	762.80 R	0.00	573.54	
1.800	443.0	70.2	785.29 R	0.00	590.44	0.00	587.19 R	0.00	441.49	
1.900	249.2	39.5	435.27 R	0.00	327.27	0.00	325.47 R	0.00	244.71	
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
 Rating Live Load: SU6

Span	Moment Resistance		Bending Bott.	Available Resistance for LL+I	
	Positive Top	Negative Top		Positive Bending Top	Negative Bending Bott.
1.000	6096.9	6096.9	0.0	6096.9	0.0
1.051	6096.9	6096.9	0.0	5984.7	-112.2
1.100	6096.9	6096.9	0.0	5839.0	-257.8
1.200	6096.9	6096.9	0.0	5583.7	-513.2
1.300	6096.9	6096.9	0.0	5423.3	-673.5
1.400	6096.9	6096.9	0.0	5327.1	-769.8
1.500	6096.9	6096.9	0.0	5295.1	-801.8
1.600	6096.9	6096.9	0.0	5327.1	-769.8
1.700	6096.9	6096.9	0.0	5423.3	-673.5
1.800	6096.9	6096.9	0.0	5583.7	-513.2
1.900	6096.9	6096.9	0.0	5808.2	-288.7
1.949	6096.9	6096.9	0.0	5968.8	-128.1
2.000	6096.9	6096.9	0.0	6096.9	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
 Rating Live Load: SU6

Moment

Span	Rating Factor		Rating Value	Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend		top fiber +bend	bottom fiber -bend
1.000	999.00	999.00	0.00	999.0 (2-Lane)	
1.000	999.00	999.00	0.00	999.0 (1-Lane)	
1.051	999.00	999.00	0.00	999.0 (2-Lane)	
1.051	999.00	999.00	0.00	999.0 (1-Lane)	
1.100	13.41	999.00	0.00	466.2 (2-Lane)	
1.100	17.94	999.00	0.00	623.4 (1-Lane)	
1.200	7.11	999.00	0.00	247.1 (2-Lane)	
1.200	9.51	999.00	0.00	330.4 (1-Lane)	
1.300	5.32	999.00	0.00	184.7 (2-Lane)	
1.300	7.11	999.00	0.00	247.1 (1-Lane)	
1.400	4.63	999.00	0.00	160.9 (2-Lane)	
1.400	6.19	999.00	0.00	215.2 (1-Lane)	
1.500	4.47	999.00	0.00	155.3 (2-Lane)	
1.500	5.97	999.00	0.00	207.6 (1-Lane)	
1.600	4.63	999.00	0.00	160.9 (2-Lane)	
1.600	6.19	999.00	0.00	215.2 (1-Lane)	
1.700	5.32	999.00	0.00	184.7 (2-Lane)	
1.700	7.11	999.00	0.00	247.1 (1-Lane)	
1.800	7.11	999.00	0.00	247.1 (2-Lane)	
1.800	9.51	999.00	0.00	330.4 (1-Lane)	
1.900	13.34	999.00	0.00	463.7 (2-Lane)	
1.900	17.85	999.00	0.00	620.1 (1-Lane)	
1.949	999.00	999.00	0.00	999.0 (2-Lane)	
1.949	999.00	999.00	0.00	999.0 (1-Lane)	
2.000	999.00	999.00	0.00	999.0 (2-Lane)	
2.000	999.00	999.00	0.00	999.0 (1-Lane)	

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
 Rating Live Load: SU6

Span	DC		DW		(2-Lane)		(1-Lane)	
	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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1.051	46.2	6.9	91.25	0.00	68.61	0.00	79.51	0.00	59.78
1.100	43.8	6.2	85.45	0.00	64.25	0.00	74.45	0.00	55.98
1.200	29.3	4.6	73.51	0.00	55.27	0.00	64.05	0.00	48.16
1.300	19.5	3.1	61.58	0.00	46.30	0.00	53.65	0.00	40.34
1.400	9.8	1.5	49.64	0.00	37.32	0.00	43.25	0.00	32.52
1.500	0.0	0.0	37.70	0.00	28.35	0.00	32.85	0.00	24.70
1.600	-9.8	-1.5	-49.64	0.00	-37.32	0.00	-43.25	0.00	-32.52
1.700	-19.5	-3.1	-61.58	0.00	-46.30	0.00	-53.65	0.00	-40.34
1.800	-29.3	-4.6	-73.51	0.00	-55.27	0.00	-64.05	0.00	-48.16
1.900	-39.0	-6.2	-85.45	0.00	-64.25	0.00	-74.45	0.00	-55.98
1.949	-43.7	-13.9	-91.25	0.00	-68.61	0.00	-79.51	0.00	-59.78
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G17

Rating Type:

I-INV

Rating Live Load:

SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.6	30.6	123.2	-134.5	111.9 (2-Lane)
1.400	96.5	30.6	127.1	-138.4	115.8 (1-Lane)
1.500	55.0	48.2	103.2	-103.2	103.2 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.6	30.6	123.2	-111.9	134.5 (2-Lane)
1.600	96.5	30.6	127.1	-115.8	138.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G17

Rating Type:

I-INV

Rating Live Load:

SU6

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.48	0.00	51.6 (2-Lane)
1.051	288.92	1.70	0.00	59.2 (1-Lane)
1.100	119.80	1.97	0.00	68.3 (2-Lane)
1.100	137.50	2.26	0.00	78.4 (1-Lane)
1.200	25.54	1.95	0.00	67.7 (2-Lane)
1.200	29.31	2.23	0.00	77.7 (1-Lane)
1.300	12.50	2.70	0.00	94.0 (2-Lane)
1.300	14.34	3.10	0.00	107.9 (1-Lane)
1.400	5.00	2.26	0.00	78.3 (2-Lane)
1.400	5.91	2.68	0.00	93.1 (1-Lane)
1.500	2.74	2.74	0.00	95.1 (2-Lane)
1.500	3.17	3.17	0.00	110.3 (1-Lane)
1.600	2.26	5.00	0.00	78.3 (2-Lane)
1.600	2.68	5.91	0.00	93.1 (1-Lane)
1.700	2.70	12.50	0.00	94.0 (2-Lane)
1.700	3.10	14.34	0.00	107.9 (1-Lane)
1.800	1.95	25.54	0.00	67.7 (2-Lane)
1.800	2.23	29.31	0.00	77.7 (1-Lane)
1.900	2.10	120.54	0.00	72.9 (2-Lane)
1.900	2.41	138.35	0.00	83.7 (1-Lane)
1.949	1.55	252.57	0.00	53.8 (2-Lane)
1.949	1.78	289.88	0.00	61.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3154

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.00		1.00		LL 0.80		LL 0.80			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.200	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.300	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.400	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.500	553.7	87.8	541.77 R	0.00	407.35	0.00	405.10 R	0.00	304.59	0.00
1.600	531.6	84.2	526.02 R	0.00	395.50	0.00	393.32 R	0.00	295.73	0.00
1.700	465.1	73.7	466.36 R	0.00	350.64	0.00	348.71 R	0.00	262.19	0.00
1.800	354.4	56.2	358.99 R	0.00	269.92	0.00	268.43 R	0.00	201.83	0.00
1.900	199.3	31.6	198.98 R	0.00	149.61	0.00	148.79 R	0.00	111.87	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S
Rating Live Load: SU6

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8 (2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1 (1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7 (2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2 (1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4 (2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8 (1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8 (1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4 (2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3 (1-Lane)

9999999_20120831cy17_FlexuralRpt.txt					
1.600	17.24	999.00	5.25	999.00	0.00 182.3 (2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00 243.8 (1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00 214.4 (2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00 286.8 (1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00 297.7 (2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00 398.2 (1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00 585.5 (2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00 783.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU7

Gamma		DC	DW	(2-Lane) LL	(1-Lane) LL
		1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.200	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.300	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.400	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.500	692.1	109.7	1286.15 R	0.00	967.03	0.00	961.70 R	0.00	723.08	0.00
1.600	664.5	105.3	1242.23 R	0.00	934.01	0.00	928.86 R	0.00	698.39	0.00
1.700	581.4	92.1	1098.12 R	0.00	825.65	0.00	821.10 R	0.00	617.37	0.00
1.800	443.0	70.2	821.47 R	0.00	617.65	0.00	614.24 R	0.00	461.84	0.00
1.900	249.2	39.5	455.43 R	0.00	342.43	0.00	340.54 R	0.00	256.05	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	12.82	999.00	12.82	999.00	0.00	496.8 (2-Lane)

1.100	17.15	999.00	17.15	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 664.4 (1-Lane)
1.200	6.80	999.00	6.80	999.00	0.00 263.4 (2-Lane)
1.200	9.09	999.00	9.09	999.00	0.00 352.3 (1-Lane)
1.300	4.94	999.00	4.94	999.00	0.00 191.4 (2-Lane)
1.300	6.61	999.00	6.61	999.00	0.00 255.9 (1-Lane)
1.400	4.29	999.00	4.29	999.00	0.00 166.2 (2-Lane)
1.400	5.74	999.00	5.74	999.00	0.00 222.2 (1-Lane)
1.500	4.12	999.00	4.12	999.00	0.00 159.5 (2-Lane)
1.500	5.51	999.00	5.51	999.00	0.00 213.4 (1-Lane)
1.600	4.29	999.00	4.29	999.00	0.00 166.2 (2-Lane)
1.600	5.74	999.00	5.74	999.00	0.00 222.2 (1-Lane)
1.700	4.94	999.00	4.94	999.00	0.00 191.4 (2-Lane)
1.700	6.61	999.00	6.61	999.00	0.00 255.9 (1-Lane)
1.800	6.80	999.00	6.80	999.00	0.00 263.4 (2-Lane)
1.800	9.09	999.00	9.09	999.00	0.00 352.3 (1-Lane)
1.900	12.75	999.00	12.75	999.00	0.00 494.2 (2-Lane)
1.900	17.06	999.00	17.06	999.00	0.00 660.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	95.88	0.00	72.09	0.00	83.54	0.00	62.81	0.00
1.100	43.8	6.2	89.41	0.00	67.23	0.00	77.90	0.00	58.57	0.00
1.200	29.3	4.6	76.10	0.00	57.22	0.00	66.30	0.00	49.85	0.00
1.300	19.5	3.1	62.78	0.00	47.21	0.00	54.70	0.00	41.13	0.00
1.400	9.8	1.5	49.47	0.00	37.20	0.00	43.10	0.00	32.41	0.00
1.500	0.0	0.0	36.72	0.00	27.61	0.00	31.99	0.00	24.05	0.00
1.600	-9.8	-1.5	-49.47	0.00	-37.20	0.00	-43.10	0.00	-32.41	0.00
1.700	-19.5	-3.1	-62.78	0.00	-47.21	0.00	-54.70	0.00	-41.13	0.00
1.800	-29.3	-4.6	-76.10	0.00	-57.22	0.00	-66.30	0.00	-49.85	0.00
1.900	-39.0	-6.2	-89.41	0.00	-67.23	0.00	-77.90	0.00	-58.57	0.00
1.949	-43.7	-13.9	-95.88	0.00	-72.09	0.00	-83.54	0.00	-62.81	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	93.3	30.6	123.9	-135.2	112.6 (1-Lane)
1.500	51.9	48.2	100.1	-100.1	100.1 (2-Lane)
1.500	53.1	48.2	101.3	-101.3	101.3 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	93.3	30.6	123.9	-112.6	135.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3161

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-INV
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	251.72	1.41	0.00	54.7 (2-Lane)
1.051	288.92	1.62	0.00	62.8 (1-Lane)
1.100	135.69	1.88	0.00	72.8 (2-Lane)
1.100	155.73	2.16	0.00	83.6 (1-Lane)
1.200	33.72	1.88	0.00	72.9 (2-Lane)
1.200	38.70	2.16	0.00	83.7 (1-Lane)
1.300	14.34	2.65	0.00	102.8 (2-Lane)
1.300	16.46	3.04	0.00	118.0 (1-Lane)
1.400	5.16	2.19	0.00	84.9 (2-Lane)
1.400	6.11	2.61	0.00	101.2 (1-Lane)
1.500	2.73	2.73	0.00	105.6 (2-Lane)
1.500	3.17	3.17	0.00	122.7 (1-Lane)
1.600	2.19	5.16	0.00	84.9 (2-Lane)
1.600	2.61	6.11	0.00	101.2 (1-Lane)
1.700	2.65	14.34	0.00	102.8 (2-Lane)
1.700	3.04	16.46	0.00	118.0 (1-Lane)
1.800	1.88	33.72	0.00	72.9 (2-Lane)
1.800	2.16	38.70	0.00	83.7 (1-Lane)
1.900	2.01	136.53	0.00	77.7 (2-Lane)
1.900	2.30	156.70	0.00	89.2 (1-Lane)
1.949	1.47	252.57	0.00	57.1 (2-Lane)
1.949	1.69	289.88	0.00	65.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3162

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-IN
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	89.8	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	174.7	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.200	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.300	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.400	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.500	553.7	87.8	587.96 R	0.00	442.07	0.00	439.63 R	0.00	330.55	0.00
1.600	531.6	84.2	567.88 R	0.00	426.97	0.00	424.62 R	0.00	319.26	0.00
1.700	465.1	73.7	502.00 R	0.00	377.44	0.00	375.36 R	0.00	282.23	0.00
1.800	354.4	56.2	375.53 R	0.00	282.35	0.00	280.80 R	0.00	211.13	0.00
1.900	199.3	31.6	208.20 R	0.00	156.54	0.00	155.68 R	0.00	117.05	0.00
1.949	102.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV
Rating Live Load: STRESSES

Rating Type: SU7

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8

1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-INV S

Rating Live Load: SU7

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	999.00	16.25	999.00	0.00	629.6 (2-Lane)
1.100	71.39	999.00	21.73	999.00	0.00	842.0 (1-Lane)
1.200	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.200	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.300	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.300	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.400	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.400	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.500	15.19	999.00	4.63	999.00	0.00	179.2 (2-Lane)
1.500	20.32	999.00	6.19	999.00	0.00	239.7 (1-Lane)
1.600	15.97	999.00	4.86	999.00	0.00	188.3 (2-Lane)
1.600	21.35	999.00	6.50	999.00	0.00	251.8 (1-Lane)
1.700	18.85	999.00	5.73	999.00	0.00	222.2 (2-Lane)
1.700	25.21	999.00	7.67	999.00	0.00	297.1 (1-Lane)
1.800	26.96	999.00	8.19	999.00	0.00	317.4 (2-Lane)
1.800	36.06	999.00	10.95	999.00	0.00	424.5 (1-Lane)
1.900	53.08	999.00	16.10	999.00	0.00	624.0 (2-Lane)
1.900	70.99	999.00	21.54	999.00	0.00	834.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	440.50 R	0.00	329.38 R	0.00
1.200	443.0	70.2	765.37 R	0.00	572.29 R	0.00
1.300	581.4	92.1	974.59 R	0.00	728.73 R	0.00
1.400	664.5	105.3	1094.80 R	0.00	818.62 R	0.00
1.500	692.1	109.7	1112.68 R	0.00	831.99 R	0.00
1.600	664.5	105.3	1094.80 R	0.00	818.62 R	0.00
1.700	581.4	92.1	974.59 R	0.00	728.73 R	0.00
1.800	443.0	70.2	765.37 R	0.00	572.29 R	0.00
1.900	249.2	39.5	440.50 R	0.00	329.38 R	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
 Rating Type: I-OPER
 Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
 Rating Type: I-OPER
 Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	13.26	999.00	13.26	999.00	0.00	477.2 (2-Lane)
1.100	17.73	999.00	17.73	999.00	0.00	638.2 (1-Lane)
1.200	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.200	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.300	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.300	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.400	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.400	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.500	4.76	999.00	4.76	999.00	0.00	171.3 (2-Lane)
1.500	6.36	999.00	6.36	999.00	0.00	229.1 (1-Lane)
1.600	4.87	999.00	4.87	999.00	0.00	175.2 (2-Lane)
1.600	6.51	999.00	6.51	999.00	0.00	234.3 (1-Lane)
1.700	5.57	999.00	5.57	999.00	0.00	200.3 (2-Lane)
1.700	7.44	999.00	7.44	999.00	0.00	267.9 (1-Lane)
1.800	7.30	999.00	7.30	999.00	0.00	262.6 (2-Lane)
1.800	9.76	999.00	9.76	999.00	0.00	351.2 (1-Lane)
1.900	13.19	999.00	13.19	999.00	0.00	474.7 (2-Lane)
1.900	17.63	999.00	17.63	999.00	0.00	634.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
 Rating Type: I-OPER
 Rating Live Load: HL93

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	91.11	0.00	72.55	0.00	79.38	0.00	63.21	0.00
1.100	43.8	6.2	84.85	0.00	67.43	0.00	73.93	0.00	58.75	0.00
1.200	29.3	4.6	72.23	0.00	57.18	0.00	62.93	0.00	49.82	0.00
1.300	19.5	3.1	59.97	0.00	47.29	0.00	52.25	0.00	41.21	0.00
1.400	9.8	1.5	48.08	0.00	37.77	0.00	41.89	0.00	32.91	0.00
1.500	0.0	0.0	36.55	0.00	28.60	0.00	31.84	0.00	24.92	0.00
1.600	-9.8	-1.5	-48.08	0.00	-37.77	0.00	-41.89	0.00	-32.91	0.00
1.700	-19.5	-3.1	-59.97	0.00	-47.29	0.00	-52.25	0.00	-41.21	0.00

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1.800	-29.3	-4.6	-72.23	0.00	-57.18	0.00	-62.93	0.00	-49.82
1.900	-39.0	-6.2	-84.85	0.00	-67.43	0.00	-73.93	0.00	-58.75
1.949	-43.7	-13.9	-91.11	0.00	-72.55	0.00	-79.38	0.00	-63.21
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G17

Rating Type:

I-OPER

Rating Live Load:

HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	92.9	30.6	123.5	-134.8	112.2 (2-Lane)
1.400	96.6	30.6	127.2	-138.5	115.9 (1-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (2-Lane)
1.500	56.1	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	92.9	30.6	123.5	-112.2	134.8 (2-Lane)
1.600	96.6	30.6	127.2	-115.9	138.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G17

Rating Type:

I-OPER

Rating Live Load:

HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.49	0.00	53.5 (2-Lane)
1.051	134.59	1.71	0.00	61.4 (1-Lane)
1.100	62.45	1.98	0.00	71.3 (2-Lane)
1.100	71.68	2.27	0.00	81.8 (1-Lane)
1.200	18.12	1.98	0.00	71.3 (2-Lane)
1.200	20.79	2.27	0.00	81.9 (1-Lane)
1.300	11.04	2.78	0.00	99.9 (2-Lane)
1.300	12.67	3.19	0.00	114.7 (1-Lane)
1.400	4.98	2.33	0.00	84.0 (2-Lane)
1.400	5.87	2.77	0.00	99.6 (1-Lane)
1.500	2.83	2.83	0.00	101.9 (2-Lane)
1.500	3.28	3.28	0.00	118.0 (1-Lane)
1.600	2.33	4.98	0.00	84.0 (2-Lane)
1.600	2.77	5.87	0.00	99.6 (1-Lane)
1.700	2.78	11.04	0.00	99.9 (2-Lane)
1.700	3.19	12.67	0.00	114.7 (1-Lane)
1.800	1.98	18.12	0.00	71.3 (2-Lane)
1.800	2.27	20.79	0.00	81.9 (1-Lane)
1.900	2.11	60.29	0.00	76.1 (2-Lane)
1.900	2.43	69.20	0.00	87.3 (1-Lane)
1.949	1.55	115.13	0.00	55.8 (2-Lane)
1.949	1.78	132.14	0.00	64.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT

REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.35		LL 1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.200	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.300	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.400	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.500	692.1	109.7	882.13 R	0.00	663.26	0.00	659.60 R	0.00	495.94	0.00
1.600	664.5	105.3	873.47 R	0.00	656.75	0.00	653.13 R	0.00	491.07	0.00
1.700	581.4	92.1	780.93 R	0.00	587.16	0.00	583.93 R	0.00	439.04	0.00
1.800	443.0	70.2	617.82 R	0.00	464.52	0.00	461.96 R	0.00	347.34	0.00
1.900	249.2	39.5	357.51 R	0.00	268.80	0.00	267.32 R	0.00	200.99	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)	
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend			
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	16.33	999.00	16.33	999.00	326.65	588.0	(2-Lane)
1.100	21.84	999.00	21.84	999.00	436.86	786.3	(1-Lane)
1.200	9.04	999.00	9.04	999.00	180.76	325.4	(2-Lane)
1.200	12.09	999.00	12.09	999.00	241.74	435.1	(1-Lane)
1.300	6.95	999.00	6.95	999.00	138.89	250.0	(2-Lane)
1.300	9.29	999.00	9.29	999.00	185.75	334.4	(1-Lane)
1.400	6.10	999.00	6.10	999.00	121.98	219.6	(2-Lane)
1.400	8.16	999.00	8.16	999.00	163.13	293.6	(1-Lane)
1.500	6.00	999.00	6.00	999.00	120.05	216.1	(2-Lane)
1.500	8.03	999.00	8.03	999.00	160.55	289.0	(1-Lane)
1.600	6.10	999.00	6.10	999.00	121.98	219.6	(2-Lane)
1.600	8.16	999.00	8.16	999.00	163.13	293.6	(1-Lane)
1.700	6.95	999.00	6.95	999.00	138.89	250.0	(2-Lane)
1.700	9.29	999.00	9.29	999.00	185.75	334.4	(1-Lane)
1.800	9.04	999.00	9.04	999.00	180.76	325.4	(2-Lane)
1.800	12.09	999.00	12.09	999.00	241.74	435.1	(1-Lane)
1.900	16.25	999.00	16.25	999.00	324.93	584.9	(2-Lane)
1.900	21.73	999.00	21.73	999.00	434.55	782.2	(1-Lane)

1.949	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.82	0.00	56.26	0.00
1.100	43.8	6.2	70.18	0.00	52.77	0.00
1.200	29.3	4.6	60.64	0.00	45.60	0.00
1.300	19.5	3.1	51.10	0.00	38.42	0.00
1.400	9.8	1.5	41.56	0.00	31.25	0.00
1.500	0.0	0.0	32.02	0.00	24.08	0.00
1.600	-9.8	-1.5	-41.56	0.00	-31.25	0.00
1.700	-19.5	-3.1	-51.10	0.00	-38.42	0.00
1.800	-29.3	-4.6	-60.64	0.00	-45.60	0.00
1.900	-39.0	-6.2	-70.18	0.00	-52.77	0.00
1.949	-43.7	-13.9	-74.82	0.00	-56.26	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: HS20

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.6	30.6	124.2	-135.5	112.9 (2-Lane)
1.400	96.4	30.6	127.0	-138.3	115.7 (1-Lane)
1.500	55.0	48.2	103.3	-103.3	103.3 (2-Lane)
1.500	55.2	48.2	103.5	-103.5	103.5 (1-Lane)
1.600	93.6	30.6	124.2	-112.9	135.5 (2-Lane)
1.600	96.4	30.6	127.0	-115.7	138.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	117.27	1.81	36.19	65.1 (2-Lane)
1.051	134.59	2.08	41.54	74.8 (1-Lane)
1.100	63.21	2.39	47.88	86.2 (2-Lane)
1.100	72.55	2.75	54.95	98.9 (1-Lane)

1.200	24.87	2.36	47.20	85.0 (2-Lane)
1.200	28.54	2.71	54.18	97.5 (1-Lane)
1.300	14.12	3.26	65.17	117.3 (2-Lane)
1.300	16.21	3.74	74.79	134.6 (1-Lane)
1.400	5.77	2.72	54.33	97.8 (2-Lane)
1.400	6.76	3.19	63.88	115.0 (1-Lane)
1.500	3.22	3.22	64.51	116.1 (2-Lane)
1.500	3.71	3.71	74.16	133.5 (1-Lane)
1.600	2.72	5.77	54.33	97.8 (2-Lane)
1.600	3.19	6.76	63.89	115.0 (1-Lane)
1.700	3.26	14.12	65.17	117.3 (2-Lane)
1.700	3.74	16.21	74.79	134.6 (1-Lane)
1.800	2.36	24.87	47.20	85.0 (2-Lane)
1.800	2.71	28.54	54.18	97.5 (1-Lane)
1.900	2.56	63.60	51.10	92.0 (2-Lane)
1.900	2.93	73.00	58.65	105.6 (1-Lane)
1.949	1.89	117.66	37.75	67.9 (2-Lane)
1.949	2.17	135.04	43.33	78.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.200	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.300	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.400	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.500	692.1	109.7	660.67 R	0.00	496.74	0.00	494.00 R	0.00	371.43	0.00
1.600	664.5	105.3	647.36 R	0.00	486.74	0.00	484.05 R	0.00	363.95	0.00
1.700	581.4	92.1	576.07 R	0.00	433.13	0.00	430.75 R	0.00	323.87	0.00
1.800	443.0	70.2	451.54 R	0.00	339.51	0.00	337.63 R	0.00	253.86	0.00
1.900	249.2	39.5	259.52 R	0.00	195.13	0.00	194.05 R	0.00	145.90	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.50	999.00	22.50	999.00	0.00	562.5 (2-Lane)
1.100	30.09	999.00	30.09	999.00	0.00	752.3 (1-Lane)
1.200	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.200	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.300	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.300	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.400	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.400	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.500	8.02	999.00	8.02	999.00	0.00	200.4 (2-Lane)
1.500	10.72	999.00	10.72	999.00	0.00	268.0 (1-Lane)
1.600	8.23	999.00	8.23	999.00	0.00	205.7 (2-Lane)
1.600	11.01	999.00	11.01	999.00	0.00	275.1 (1-Lane)
1.700	9.41	999.00	9.41	999.00	0.00	235.4 (2-Lane)
1.700	12.59	999.00	12.59	999.00	0.00	314.8 (1-Lane)
1.800	12.37	999.00	12.37	999.00	0.00	309.1 (2-Lane)
1.800	16.54	999.00	16.54	999.00	0.00	413.4 (1-Lane)
1.900	22.38	999.00	22.38	999.00	0.00	559.5 (2-Lane)
1.900	29.93	999.00	29.93	999.00	0.00	748.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	54.17	0.00	40.73	0.00	47.20	0.00	35.49	0.00
1.100	43.8	6.2	50.95	0.00	38.31	0.00	44.39	0.00	33.38	0.00
1.200	29.3	4.6	44.32	0.00	33.33	0.00	38.62	0.00	29.04	0.00
1.300	19.5	3.1	37.70	0.00	28.34	0.00	32.84	0.00	24.70	0.00
1.400	9.8	1.5	31.07	0.00	23.36	0.00	27.07	0.00	20.35	0.00
1.500	0.0	0.0	24.45	0.00	18.38	0.00	21.30	0.00	16.01	0.00
1.600	-9.8	-1.5	-31.07	0.00	-23.36	0.00	-27.07	0.00	-20.35	0.00
1.700	-19.5	-3.1	-37.70	0.00	-28.34	0.00	-32.84	0.00	-24.70	0.00
1.800	-29.3	-4.6	-44.32	0.00	-33.33	0.00	-38.62	0.00	-29.04	0.00
1.900	-39.0	-6.2	-50.95	0.00	-38.31	0.00	-44.39	0.00	-33.38	0.00
1.949	-43.7	-13.9	-54.17	0.00	-40.73	0.00	-47.20	0.00	-35.49	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: 3

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.3	107.8 (2-Lane)
1.400	90.1	30.6	120.6	-131.9	109.4 (1-Lane)
1.500	49.9	48.2	98.1	-98.1	98.1 (2-Lane)
1.500	49.3	48.2	97.5	-97.5	97.5 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	90.1	30.6	120.7	-109.4	131.9 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)

1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.50	0.00	62.5 (2-Lane)
1.051	253.35	2.87	0.00	71.7 (1-Lane)
1.100	91.84	3.30	0.00	82.4 (2-Lane)
1.100	105.41	3.79	0.00	94.6 (1-Lane)
1.200	28.41	3.23	0.00	80.7 (2-Lane)
1.200	32.61	3.71	0.00	92.7 (1-Lane)
1.300	17.75	4.42	0.00	110.4 (2-Lane)
1.300	20.37	5.07	0.00	126.7 (1-Lane)
1.400	7.31	3.47	0.00	86.7 (2-Lane)
1.400	8.50	4.04	0.00	101.0 (1-Lane)
1.500	4.01	4.01	0.00	100.4 (2-Lane)
1.500	4.58	4.58	0.00	114.5 (1-Lane)
1.600	3.47	7.31	0.00	86.7 (2-Lane)
1.600	4.04	8.50	0.00	101.0 (1-Lane)
1.700	4.42	17.75	0.00	110.4 (2-Lane)
1.700	5.07	20.37	0.00	126.7 (1-Lane)
1.800	3.23	28.41	0.00	80.7 (2-Lane)
1.800	3.71	32.61	0.00	92.7 (1-Lane)
1.900	3.52	92.41	0.00	88.0 (2-Lane)
1.900	4.04	106.06	0.00	101.0 (1-Lane)
1.949	2.61	221.48	0.00	65.2 (2-Lane)
1.949	2.99	254.20	0.00	74.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	306.26 R	0.00	230.27	0.00
1.200	443.0	70.2	504.52 R	0.00	379.34	0.00
1.300	581.4	92.1	660.40 R	0.00	496.54	0.00
1.400	664.5	105.3	731.11 R	0.00	549.71	0.00
1.500	692.1	109.7	717.59 R	0.00	539.54	0.00
1.600	664.5	105.3	731.11 R	0.00	549.71	0.00
1.700	581.4	92.1	660.40 R	0.00	496.54	0.00
1.800	443.0	70.2	504.52 R	0.00	379.34	0.00
1.900	249.2	39.5	306.26 R	0.00	230.27	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: 3S2

Moment

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top +bend	bottom -bend	top +bend	bottom -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	19.07	999.00	19.07	999.00	762.6 (2-Lane)
1.100	25.50	999.00	25.50	999.00	999.0 (1-Lane)
1.200	11.07	999.00	11.07	999.00	442.7 (2-Lane)
1.200	14.80	999.00	14.80	999.00	592.0 (1-Lane)
1.300	8.21	999.00	8.21	999.00	328.5 (2-Lane)
1.300	10.98	999.00	10.98	999.00	439.3 (1-Lane)
1.400	7.29	999.00	7.29	999.00	291.5 (2-Lane)
1.400	9.74	999.00	9.74	999.00	389.8 (1-Lane)
1.500	7.38	999.00	7.38	999.00	295.2 (2-Lane)
1.500	9.87	999.00	9.87	999.00	394.7 (1-Lane)
1.600	7.29	999.00	7.29	999.00	291.5 (2-Lane)
1.600	9.74	999.00	9.74	999.00	389.8 (1-Lane)
1.700	8.21	999.00	8.21	999.00	328.5 (2-Lane)
1.700	10.98	999.00	10.98	999.00	439.3 (1-Lane)
1.800	11.07	999.00	11.07	999.00	442.7 (2-Lane)
1.800	14.80	999.00	14.80	999.00	592.0 (1-Lane)
1.900	18.97	999.00	18.97	999.00	758.6 (2-Lane)
1.900	25.36	999.00	25.36	999.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: 3S2

Span	Gamma		(2-Lane)		(1-Lane)	
	DC 1.25	DW 1.25	LL 1.35	LL 1.35	LL 1.35	LL 1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	52.03	0.00	39.12	0.00
1.100	43.8	6.2	60.12	0.00	45.21	0.00
1.200	29.3	4.6	49.52	0.00	37.24	0.00
1.300	19.5	3.1	39.27	0.00	29.53	0.00
1.400	9.8	1.5	30.50	0.00	22.93	0.00
1.500	0.0	0.0	21.89	0.00	16.46	0.00
1.600	-9.8	-1.5	-30.50	0.00	-22.93	0.00
1.700	-19.5	-3.1	-39.27	0.00	-29.53	0.00
1.800	-29.3	-4.6	-49.52	0.00	-37.24	0.00
1.900	-39.0	-6.2	-60.12	0.00	-45.21	0.00
1.949	-43.7	-13.9	-65.28	0.00	-49.08	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3S2

	Vc	Shear Vs	Resistance Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	83.8	30.6	114.4	-125.7	103.1 (2-Lane)
1.400	85.9	30.6	116.5	-127.8	105.2 (1-Lane)
1.500	44.8	48.2	93.0	-93.0	93.0 (2-Lane)
1.500	44.4	48.2	92.6	-92.6	92.6 (1-Lane)
1.600	83.8	30.6	114.4	-103.1	125.7 (2-Lane)
1.600	85.9	30.6	116.5	-105.2	127.8 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3S2

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.60	0.00	104.1 (2-Lane)
1.051	253.35	2.99	0.00	119.5 (1-Lane)
1.100	91.84	2.79	0.00	111.8 (2-Lane)
1.100	105.41	3.21	0.00	128.3 (1-Lane)
1.200	28.41	2.89	0.00	115.6 (2-Lane)
1.200	32.61	3.32	0.00	132.7 (1-Lane)
1.300	17.75	4.24	0.00	169.6 (2-Lane)
1.300	20.37	4.87	0.00	194.7 (1-Lane)
1.400	7.65	3.38	0.00	135.2 (2-Lane)
1.400	8.93	3.96	0.00	158.3 (1-Lane)
1.500	4.25	4.25	0.00	169.9 (2-Lane)
1.500	4.86	4.86	0.00	194.3 (1-Lane)
1.600	3.38	7.65	0.00	135.2 (2-Lane)
1.600	3.96	8.93	0.00	158.3 (1-Lane)
1.700	4.24	17.75	0.00	169.6 (2-Lane)
1.700	4.87	20.37	0.00	194.7 (1-Lane)
1.800	2.89	28.41	0.00	115.6 (2-Lane)
1.800	3.32	32.61	0.00	132.7 (1-Lane)
1.900	2.98	92.41	0.00	119.3 (2-Lane)
1.900	3.42	106.06	0.00	136.9 (1-Lane)
1.949	2.16	221.48	0.00	86.5 (2-Lane)
1.949	2.48	254.20	0.00	99.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type:		I-OPER									
Rating Live Load:		3-3									
Gamma	DC	DW	(2-Lane)		(1-Lane)						
	1.25	1.25	LL	LL	LL	LL					
			1.35	1.35							
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
1.100	218.4	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00	
1.200	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00	
1.300	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00	
1.400	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00	
1.500	692.1	109.7	605.44 R	0.00	455.22	0.00	452.71 R	0.00	340.38	0.00	
1.600	664.5	105.3	570.95 R	0.00	429.29	0.00	426.92 R	0.00	320.99	0.00	
1.700	581.4	92.1	543.56 R	0.00	408.69	0.00	406.44 R	0.00	305.59	0.00	
1.800	443.0	70.2	433.88 R	0.00	326.23	0.00	324.43 R	0.00	243.93	0.00	
1.900	249.2	39.5	262.84 R	0.00	197.62	0.00	196.53 R	0.00	147.77	0.00	
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3-3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.22	999.00	22.22	999.00	0.00	888.6 (2-Lane)
1.100	29.71	999.00	29.71	999.00	0.00	999.0 (1-Lane)
1.200	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)
1.200	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)
1.300	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)
1.300	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)
1.400	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)
1.400	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)
1.500	8.75	999.00	8.75	999.00	0.00	349.8 (2-Lane)
1.500	11.70	999.00	11.70	999.00	0.00	467.9 (1-Lane)
1.600	9.33	999.00	9.33	999.00	0.00	373.2 (2-Lane)
1.600	12.48	999.00	12.48	999.00	0.00	499.1 (1-Lane)
1.700	9.98	999.00	9.98	999.00	0.00	399.1 (2-Lane)
1.700	13.34	999.00	13.34	999.00	0.00	533.7 (1-Lane)
1.800	12.87	999.00	12.87	999.00	0.00	514.8 (2-Lane)
1.800	17.21	999.00	17.21	999.00	0.00	688.4 (1-Lane)
1.900	22.10	999.00	22.10	999.00	0.00	883.9 (2-Lane)
1.900	29.55	999.00	29.55	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3-3

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.35 1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	55.98	0.00	42.09	0.00	48.77	0.00	36.67	0.00
1.100	43.8	6.2	51.60	0.00	38.80	0.00	44.96	0.00	33.80	0.00
1.200	29.3	4.6	42.59	0.00	32.02	0.00	37.11	0.00	27.90	0.00
1.300	19.5	3.1	33.58	0.00	25.25	0.00	29.26	0.00	22.00	0.00
1.400	9.8	1.5	26.21	0.00	19.71	0.00	22.83	0.00	17.17	0.00
1.500	0.0	0.0	20.38	0.00	15.32	0.00	17.75	0.00	13.35	0.00
1.600	-9.8	-1.5	-26.21	0.00	-19.71	0.00	-22.83	0.00	-17.17	0.00
1.700	-19.5	-3.1	-33.58	0.00	-25.25	0.00	-29.26	0.00	-22.00	0.00
1.800	-29.3	-4.6	-42.59	0.00	-32.02	0.00	-37.11	0.00	-27.90	0.00
1.900	-39.0	-6.2	-51.60	0.00	-38.80	0.00	-44.96	0.00	-33.80	0.00
1.949	-43.7	-13.9	-55.98	0.00	-42.09	0.00	-48.77	0.00	-36.67	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	84.1	30.6	114.7	-126.0	103.4 (2-Lane)
1.400	85.4	30.6	115.9	-127.2	104.6 (1-Lane)
1.500	44.9	48.2	93.2	-93.2	93.2 (2-Lane)
1.500	44.2	48.2	92.4	-92.4	92.4 (1-Lane)
1.600	84.1	30.6	114.7	-103.4	126.0 (2-Lane)
1.600	85.4	30.6	115.9	-104.6	127.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	268.04	2.42	0.00	96.8 (2-Lane)
1.051	307.64	2.78	0.00	111.0 (1-Lane)
1.100	111.52	3.26	0.00	130.2 (2-Lane)
1.100	127.99	3.74	0.00	149.5 (1-Lane)
1.200	34.50	3.36	0.00	134.4 (2-Lane)
1.200	39.60	3.86	0.00	154.3 (1-Lane)

1.300	21.55	4.96	0.00	198.4 (2-Lane)
1.300	24.73	5.69	0.00	227.7 (1-Lane)
1.400	8.66	3.94	0.00	157.8 (2-Lane)
1.400	10.04	4.58	0.00	183.3 (1-Lane)
1.500	4.57	4.57	0.00	182.9 (2-Lane)
1.500	5.21	5.21	0.00	208.2 (1-Lane)
1.600	3.94	8.66	0.00	157.8 (2-Lane)
1.600	4.58	10.04	0.00	183.3 (1-Lane)
1.700	4.96	21.55	0.00	198.4 (2-Lane)
1.700	5.69	24.73	0.00	227.7 (1-Lane)
1.800	3.36	34.50	0.00	134.4 (2-Lane)
1.800	3.86	39.60	0.00	154.3 (1-Lane)
1.900	3.47	112.21	0.00	139.0 (2-Lane)
1.900	3.99	128.79	0.00	159.5 (1-Lane)
1.949	2.52	268.94	0.00	100.9 (2-Lane)
1.949	2.89	308.67	0.00	115.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.200	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.300	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.400	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.500	692.1	109.7	751.93 R	0.00	565.36	0.00	562.25 R	0.00	422.74	0.00
1.600	664.5	105.3	731.18 R	0.00	549.76	0.00	546.73 R	0.00	411.07	0.00
1.700	581.4	92.1	641.32 R	0.00	482.20	0.00	479.54 R	0.00	360.56	0.00
1.800	443.0	70.2	500.45 R	0.00	376.28	0.00	374.20 R	0.00	281.35	0.00
1.900	249.2	39.5	286.67 R	0.00	215.54	0.00	214.35 R	0.00	161.17	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Bending Top	Available Resistance for LL+I Positive Bending Bott.	Resistance Negative Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU4

Moment

Span	Rating top fiber +bend	Factor -bend	bottom fiber +bend	-bend	Rating Value	Load Resistance (tons)
------	------------------------------	-----------------	-----------------------	-------	-----------------	------------------------------

1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.37	999.00	20.37	999.00	0.00	549.9 (2-Lane)
1.100	27.24	999.00	27.24	999.00	0.00	735.5 (1-Lane)
1.200	11.16	999.00	11.16	999.00	0.00	301.3 (2-Lane)
1.200	14.92	999.00	14.92	999.00	0.00	402.9 (1-Lane)
1.300	8.46	999.00	8.46	999.00	0.00	228.3 (2-Lane)
1.300	11.31	999.00	11.31	999.00	0.00	305.4 (1-Lane)
1.400	7.29	999.00	7.29	999.00	0.00	196.7 (2-Lane)
1.400	9.74	999.00	9.74	999.00	0.00	263.1 (1-Lane)
1.500	7.04	999.00	7.04	999.00	0.00	190.1 (2-Lane)
1.500	9.42	999.00	9.42	999.00	0.00	254.3 (1-Lane)
1.600	7.29	999.00	7.29	999.00	0.00	196.7 (2-Lane)
1.600	9.74	999.00	9.74	999.00	0.00	263.1 (1-Lane)
1.700	8.46	999.00	8.46	999.00	0.00	228.3 (2-Lane)
1.700	11.31	999.00	11.31	999.00	0.00	305.4 (1-Lane)
1.800	11.16	999.00	11.16	999.00	0.00	301.3 (2-Lane)
1.800	14.92	999.00	14.92	999.00	0.00	402.9 (1-Lane)
1.900	20.26	999.00	20.26	999.00	0.00	547.0 (2-Lane)
1.900	27.10	999.00	27.10	999.00	0.00	731.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	59.76	0.00	44.93	0.00	52.06	0.00	39.15
1.100	43.8	6.2	56.28	0.00	42.31	0.00	49.03	0.00	36.87
1.200	29.3	4.6	49.12	0.00	36.93	0.00	42.80	0.00	32.18
1.300	19.5	3.1	41.97	0.00	31.55	0.00	36.57	0.00	27.49
1.400	9.8	1.5	34.81	0.00	26.17	0.00	30.33	0.00	22.81
1.500	0.0	0.0	27.66	0.00	20.79	0.00	24.10	0.00	18.12
1.600	-9.8	-1.5	-34.81	0.00	-26.17	0.00	-30.33	0.00	-22.81
1.700	-19.5	-3.1	-41.97	0.00	-31.55	0.00	-36.57	0.00	-27.49
1.800	-29.3	-4.6	-49.12	0.00	-36.93	0.00	-42.80	0.00	-32.18
1.900	-39.0	-6.2	-56.28	0.00	-42.31	0.00	-49.03	0.00	-36.87
1.949	-43.7	-13.9	-59.76	0.00	-44.93	0.00	-52.06	0.00	-39.15
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU4

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	90.3	30.6	120.9	-132.2	109.6 (2-Lane)
1.400	92.4	30.6	123.0	-134.3	111.7 (1-Lane)
1.500	52.3	48.2	100.6	-100.6	100.6 (2-Lane)
1.500	52.0	48.2	100.3	-100.3	100.3 (1-Lane)
1.600	90.3	30.6	120.9	-109.6	132.2 (2-Lane)
1.600	92.4	30.6	123.0	-111.7	134.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)

1.900 77.5 147.0 224.5 -179.3 9999999_20120831cy17_FlexuralRpt.txt 269.7 (1-Lane)
1.949 67.0 131.9 198.8 -141.2 256.4 (2-Lane)
1.949 67.0 131.9 198.8 -141.2 256.4 (1-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (2-Lane)
2.000 0.0 0.0 0.0 0.0 0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.27	0.00	61.2 (2-Lane)
1.051	253.35	2.60	0.00	70.2 (1-Lane)
1.100	91.84	2.98	0.00	80.6 (2-Lane)
1.100	105.41	3.43	0.00	92.5 (1-Lane)
1.200	26.20	2.91	0.00	78.7 (2-Lane)
1.200	30.07	3.34	0.00	90.3 (1-Lane)
1.300	15.55	3.97	0.00	107.1 (2-Lane)
1.300	17.84	4.55	0.00	123.0 (1-Lane)
1.400	6.45	3.15	0.00	85.0 (2-Lane)
1.400	7.52	3.68	0.00	99.4 (1-Lane)
1.500	3.64	3.64	0.00	98.2 (2-Lane)
1.500	4.16	4.16	0.00	112.4 (1-Lane)
1.600	3.15	6.45	0.00	85.0 (2-Lane)
1.600	3.68	7.52	0.00	99.4 (1-Lane)
1.700	3.97	15.55	0.00	107.1 (2-Lane)
1.700	4.55	17.84	0.00	123.0 (1-Lane)
1.800	2.91	26.20	0.00	78.7 (2-Lane)
1.800	3.34	30.07	0.00	90.3 (1-Lane)
1.900	3.19	92.41	0.00	86.0 (2-Lane)
1.900	3.66	106.06	0.00	98.7 (1-Lane)
1.949	2.36	221.48	0.00	63.8 (2-Lane)
1.949	2.71	254.20	0.00	73.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.200	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.300	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.400	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.500	692.1	109.7	820.37 R	0.00	616.82	0.00	613.42 R	0.00	461.21	0.00
1.600	664.5	105.3	807.52 R	0.00	607.16	0.00	603.81 R	0.00	453.99	0.00
1.700	581.4	92.1	710.98 R	0.00	534.57	0.00	531.62 R	0.00	399.72	0.00
1.800	443.0	70.2	552.61 R	0.00	415.50	0.00	413.21 R	0.00	310.68	0.00
1.900	249.2	39.5	318.15 R	0.00	239.21	0.00	237.89 R	0.00	178.87	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment Positive	Resistance Bending	Moment Negative	Resistance Bending	Available Resistance for LL+I Positive Bending	Available Resistance for LL+I Negative Bending
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	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.35	999.00	18.35	999.00	0.00	568.9 (2-Lane)
1.100	24.55	999.00	24.55	999.00	0.00	760.9 (1-Lane)
1.200	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.200	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.300	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.300	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.400	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.500	6.45	999.00	6.45	999.00	0.00	200.1 (2-Lane)
1.500	8.63	999.00	8.63	999.00	0.00	267.6 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	204.5 (2-Lane)
1.600	8.82	999.00	8.82	999.00	0.00	273.5 (1-Lane)
1.700	7.63	999.00	7.63	999.00	0.00	236.5 (2-Lane)
1.700	10.20	999.00	10.20	999.00	0.00	316.2 (1-Lane)
1.800	10.10	999.00	10.10	999.00	0.00	313.2 (2-Lane)
1.800	13.51	999.00	13.51	999.00	0.00	418.9 (1-Lane)
1.900	18.26	999.00	18.26	999.00	0.00	565.9 (2-Lane)
1.900	24.42	999.00	24.42	999.00	0.00	756.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.35	(1-Lane) LL 1.35		
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	66.45	0.00	49.96	57.90
1.100	43.8	6.2	62.46	0.00	46.96	54.42
1.200	29.3	4.6	54.24	0.00	40.78	47.26
1.300	19.5	3.1	46.03	0.00	34.61	40.10
1.400	9.8	1.5	37.81	0.00	28.43	32.94
1.500	0.0	0.0	29.60	0.00	22.25	25.79
1.600	-9.8	-1.5	-37.81	0.00	-28.43	-32.94
1.700	-19.5	-3.1	-46.03	0.00	-34.61	-40.10
1.800	-29.3	-4.6	-54.24	0.00	-40.78	-47.26
1.900	-39.0	-6.2	-62.46	0.00	-46.96	-54.42
1.949	-43.7	-13.9	-66.45	0.00	-49.96	-57.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-OPER
Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (2-Lane)
1.400	93.7	30.6	124.3	-135.6	113.0 (1-Lane)
1.500	53.3	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	53.3	48.2	101.5	-101.5	101.5 (1-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (2-Lane)
1.600	93.7	30.6	124.3	-113.0	135.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3211

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-OPER
Rating Live Load: SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	220.74	2.04	0.00	63.2 (2-Lane)
1.051	253.35	2.34	0.00	72.5 (1-Lane)
1.100	91.84	2.69	0.00	83.4 (2-Lane)
1.100	105.41	3.09	0.00	95.7 (1-Lane)
1.200	26.20	2.64	0.00	81.8 (2-Lane)
1.200	30.07	3.03	0.00	93.9 (1-Lane)
1.300	14.54	3.62	0.00	112.1 (2-Lane)
1.300	16.69	4.15	0.00	128.7 (1-Lane)
1.400	6.23	2.92	0.00	90.6 (2-Lane)
1.400	7.28	3.43	0.00	106.3 (1-Lane)
1.500	3.43	3.43	0.00	106.4 (2-Lane)
1.500	3.94	3.94	0.00	122.0 (1-Lane)
1.600	2.92	6.23	0.00	90.6 (2-Lane)
1.600	3.43	7.28	0.00	106.3 (1-Lane)
1.700	3.62	14.54	0.00	112.1 (2-Lane)
1.700	4.15	16.69	0.00	128.7 (1-Lane)
1.800	2.64	26.20	0.00	81.8 (2-Lane)
1.800	3.03	30.07	0.00	93.9 (1-Lane)
1.900	2.87	92.41	0.00	89.0 (2-Lane)
1.900	3.30	106.06	0.00	102.2 (1-Lane)
1.949	2.12	221.48	0.00	65.9 (2-Lane)
1.949	2.44	254.20	0.00	75.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-OPER
Rating Live Load: SU6

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	335.78 R	0.00	252.47	0.00	251.08 R	0.00	188.78	0.00
1.200	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.300	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.400	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.500	692.1	109.7	914.24 R	0.00	687.40	0.00	683.61 R	0.00	513.99	0.00
1.600	664.5	105.3	887.65 R	0.00	667.41	0.00	663.73 R	0.00	499.04	0.00
1.700	581.4	92.1	786.98 R	0.00	591.71	0.00	588.45 R	0.00	442.44	0.00
1.800	443.0	70.2	605.79 R	0.00	455.48	0.00	452.97 R	0.00	340.58	0.00
1.900	249.2	39.5	335.78 R	0.00	252.47	0.00	251.07 R	0.00	188.78	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.39	999.00	17.39	999.00	0.00	604.3 (2-Lane)
1.100	23.26	999.00	23.26	999.00	0.00	808.2 (1-Lane)
1.200	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.200	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.300	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.300	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.400	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.400	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.500	5.79	999.00	5.79	999.00	0.00	201.3 (2-Lane)
1.500	7.75	999.00	7.75	999.00	0.00	269.2 (1-Lane)
1.600	6.00	999.00	6.00	999.00	0.00	208.5 (2-Lane)
1.600	8.03	999.00	8.03	999.00	0.00	278.9 (1-Lane)
1.700	6.89	999.00	6.89	999.00	0.00	239.5 (2-Lane)
1.700	9.22	999.00	9.22	999.00	0.00	320.3 (1-Lane)
1.800	9.22	999.00	9.22	999.00	0.00	320.3 (2-Lane)
1.800	12.33	999.00	12.33	999.00	0.00	428.4 (1-Lane)
1.900	17.30	999.00	17.30	999.00	0.00	601.1 (2-Lane)
1.900	23.13	999.00	23.13	999.00	0.00	803.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.40	0.00	52.93	0.00	61.33	0.00
1.100	43.8	6.2	65.92	0.00	49.56	0.00	57.43	0.00
1.200	29.3	4.6	56.71	0.00	42.64	0.00	49.41	0.00
1.300	19.5	3.1	47.50	0.00	35.71	0.00	41.39	0.00
1.400	9.8	1.5	38.29	0.00	28.79	0.00	33.36	0.00
1.500	0.0	0.0	29.08	0.00	21.87	0.00	25.34	0.00
1.600	-9.8	-1.5	-38.29	0.00	-28.79	0.00	-33.36	0.00
1.700	-19.5	-3.1	-47.50	0.00	-35.71	0.00	-41.39	0.00
1.800	-29.3	-4.6	-56.71	0.00	-42.64	0.00	-49.41	0.00
1.900	-39.0	-6.2	-65.92	0.00	-49.56	0.00	-57.43	0.00
1.949	-43.7	-13.9	-70.40	0.00	-52.93	0.00	-61.33	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3217

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.5	30.6	119.1	-130.4	107.8 (2-Lane)
1.400	91.3	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.4	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	50.7	48.2	98.9	-98.9	98.9 (1-Lane)
1.600	88.5	30.6	119.1	-107.8	130.4 (2-Lane)
1.600	91.3	30.6	121.9	-110.6	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.92	0.00	66.8 (2-Lane)
1.051	374.52	2.21	0.00	76.7 (1-Lane)
1.100	155.30	2.55	0.00	88.6 (2-Lane)
1.100	178.24	2.92	0.00	101.7 (1-Lane)
1.200	33.11	2.52	0.00	87.7 (2-Lane)
1.200	38.00	2.90	0.00	100.7 (1-Lane)
1.300	16.20	3.51	0.00	121.8 (2-Lane)
1.300	18.59	4.02	0.00	139.8 (1-Lane)
1.400	6.28	2.82	0.00	97.8 (2-Lane)

1.400	7.37	3.32	0.00	115.2 (1-Lane)
1.500	3.39	3.39	0.00	117.9 (2-Lane)
1.500	3.90	3.90	0.00	135.7 (1-Lane)
1.600	2.82	6.28	0.00	97.8 (2-Lane)
1.600	3.32	7.37	0.00	115.2 (1-Lane)
1.700	3.51	16.20	0.00	121.8 (2-Lane)
1.700	4.02	18.59	0.00	139.8 (1-Lane)
1.800	2.52	33.11	0.00	87.7 (2-Lane)
1.800	2.90	38.00	0.00	100.7 (1-Lane)
1.900	2.72	156.26	0.00	94.5 (2-Lane)
1.900	3.12	179.35	0.00	108.5 (1-Lane)
1.949	2.01	327.40	0.00	69.7 (2-Lane)
1.949	2.30	375.77	0.00	80.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.200	443.0	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.300	581.4	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.400	664.5	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.500	692.1	109.7	992.18 R	0.00	746.00	0.00	741.88 R	0.00	557.81	0.00
1.600	664.5	105.3	958.29 R	0.00	720.52	0.00	716.55 R	0.00	538.76	0.00
1.700	581.4	92.1	847.12 R	0.00	636.93	0.00	633.42 R	0.00	476.26	0.00
1.800	443.0	70.2	633.71 R	0.00	476.47	0.00	473.85 R	0.00	356.28	0.00
1.900	249.2	39.5	351.34 R	0.00	264.16	0.00	262.71 R	0.00	197.52	0.00
1.949	128.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating bottom fiber +bend	Factor top fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	16.62	999.00	16.62	999.00	0.00	644.0	(2-Lane)
1.100	22.23	999.00	22.23	999.00	0.00	861.3	(1-Lane)
1.200	8.81	999.00	8.81	999.00	0.00	341.4	(2-Lane)
1.200	11.78	999.00	11.78	999.00	0.00	456.6	(1-Lane)
1.300	6.40	999.00	6.40	999.00	0.00	248.1	(2-Lane)
1.300	8.56	999.00	8.56	999.00	0.00	331.8	(1-Lane)
1.400	5.56	999.00	5.56	999.00	0.00	215.4	(2-Lane)
1.400	7.43	999.00	7.43	999.00	0.00	288.1	(1-Lane)
1.500	5.34	999.00	5.34	999.00	0.00	206.8	(2-Lane)
1.500	7.14	999.00	7.14	999.00	0.00	276.6	(1-Lane)
1.600	5.56	999.00	5.56	999.00	0.00	215.4	(2-Lane)
1.600	7.43	999.00	7.43	999.00	0.00	288.1	(1-Lane)
1.700	6.40	999.00	6.40	999.00	0.00	248.1	(2-Lane)
1.700	8.56	999.00	8.56	999.00	0.00	331.8	(1-Lane)
1.800	8.81	999.00	8.81	999.00	0.00	341.4	(2-Lane)
1.800	11.78	999.00	11.78	999.00	0.00	456.6	(1-Lane)
1.900	16.53	999.00	16.53	999.00	0.00	640.6	(2-Lane)
1.900	22.11	999.00	22.11	999.00	0.00	856.7	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane	Live Load w/impact Truck	Lane	Live Load w/o impact Truck	Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	46.2	6.9	73.96	0.00	55.61	0.00	64.44	0.00	48.45	0.00
1.100	43.8	6.2	68.97	0.00	51.86	0.00	60.09	0.00	45.18	0.00
1.200	29.3	4.6	58.70	0.00	44.14	0.00	51.15	0.00	38.46	0.00
1.300	19.5	3.1	48.43	0.00	36.42	0.00	42.20	0.00	31.73	0.00
1.400	9.8	1.5	38.16	0.00	28.70	0.00	33.25	0.00	25.00	0.00
1.500	0.0	0.0	28.33	0.00	21.30	0.00	24.68	0.00	18.56	0.00
1.600	-9.8	-1.5	-38.16	0.00	-28.70	0.00	-33.25	0.00	-25.00	0.00
1.700	-19.5	-3.1	-48.43	0.00	-36.42	0.00	-42.20	0.00	-31.73	0.00
1.800	-29.3	-4.6	-58.70	0.00	-44.14	0.00	-51.15	0.00	-38.46	0.00
1.900	-39.0	-6.2	-68.97	0.00	-51.86	0.00	-60.09	0.00	-45.18	0.00
1.949	-43.7	-13.9	-73.96	0.00	-55.61	0.00	-64.44	0.00	-48.45	0.00
2.000	-48.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER

Rating Live Load: SU7

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	85.6	30.6	116.2	-127.5	104.9 (2-Lane)
1.400	88.6	30.6	119.2	-130.5	107.9 (1-Lane)
1.500	47.8	48.2	96.1	-96.1	96.1 (2-Lane)
1.500	48.3	48.2	96.5	-96.5	96.5 (1-Lane)
1.600	85.6	30.6	116.2	-104.9	127.5 (2-Lane)
1.600	88.6	30.6	119.2	-107.9	130.5 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-OPER
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	326.31	1.83	0.00	70.9 (2-Lane)
1.051	374.52	2.10	0.00	81.4 (1-Lane)
1.100	175.89	2.44	0.00	94.4 (2-Lane)
1.100	201.88	2.80	0.00	108.3 (1-Lane)
1.200	43.71	2.44	0.00	94.5 (2-Lane)
1.200	50.17	2.80	0.00	108.4 (1-Lane)
1.300	18.59	3.44	0.00	133.2 (2-Lane)
1.300	21.33	3.95	0.00	152.9 (1-Lane)
1.400	6.51	2.75	0.00	106.5 (2-Lane)
1.400	7.65	3.25	0.00	125.8 (1-Lane)
1.500	3.39	3.39	0.00	131.4 (2-Lane)
1.500	3.91	3.91	0.00	151.6 (1-Lane)
1.600	2.75	6.51	0.00	106.5 (2-Lane)
1.600	3.25	7.65	0.00	125.8 (1-Lane)
1.700	3.44	18.59	0.00	133.2 (2-Lane)
1.700	3.95	21.33	0.00	152.9 (1-Lane)
1.800	2.44	43.71	0.00	94.5 (2-Lane)
1.800	2.80	50.17	0.00	108.4 (1-Lane)
1.900	2.60	176.98	0.00	100.7 (2-Lane)
1.900	2.98	203.13	0.00	115.6 (1-Lane)
1.949	1.91	327.40	0.00	74.0 (2-Lane)
1.949	2.19	375.77	0.00	84.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	346.03 R		260.17	258.74 R		194.54
1.200	443.0	70.2	602.06 R		452.67	450.18 R		338.48
1.300	581.4	92.1	768.09 R		577.51	574.33 R		431.83
1.400	664.5	105.3	863.15 R		648.98	645.41 R		485.27
1.500	692.1	109.7	880.89 R		662.32	658.67 R		495.24
1.600	664.5	105.3	863.15 R		648.98	645.41 R		485.27
1.700	581.4	92.1	768.09 R		577.51	574.33 R		431.83
1.800	443.0	70.2	602.06 R		452.67	450.18 R		338.48
1.900	249.2	39.5	346.03 R		260.17	258.74 R		194.54
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: 3

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Top	Bending Bott.	Negative Top	Bending Bott.
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1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
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1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-LEGL
Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.88	999.00	16.88	999.00	0.00	421.9 (2-Lane)
1.100	22.57	999.00	22.57	999.00	0.00	564.2 (1-Lane)
1.200	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.200	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)
1.300	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.300	9.44	999.00	9.44	999.00	0.00	236.1 (1-Lane)
1.400	6.17	999.00	6.17	999.00	0.00	154.3 (2-Lane)
1.400	8.25	999.00	8.25	999.00	0.00	206.3 (1-Lane)
1.500	6.01	999.00	6.01	999.00	0.00	150.3 (2-Lane)
1.500	8.04	999.00	8.04	999.00	0.00	201.0 (1-Lane)
1.600	6.17	999.00	6.17	999.00	0.00	154.3 (2-Lane)
1.600	8.25	999.00	8.25	999.00	0.00	206.3 (1-Lane)
1.700	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.700	9.44	999.00	9.44	999.00	0.00	236.1 (1-Lane)
1.800	9.27	999.00	9.27	999.00	0.00	231.9 (2-Lane)
1.800	12.40	999.00	12.40	999.00	0.00	310.1 (1-Lane)
1.900	16.78	999.00	16.78	999.00	0.00	419.6 (2-Lane)
1.900	22.45	999.00	22.45	999.00	0.00	561.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	72.22	54.30	62.93	47.31
1.100	43.8	6.2	67.93	51.08	59.19	44.50
1.200	29.3	4.6	59.10	44.43	51.49	38.71
1.300	19.5	3.1	50.26	37.79	43.79	32.93
1.400	9.8	1.5	41.43	31.15	36.10	27.14
1.500	0.0	0.0	32.60	24.51	28.40	21.35
1.600	-9.8	-1.5	-41.43	-31.15	-36.10	-27.14
1.700	-19.5	-3.1	-50.26	-37.79	-43.79	-32.93
1.800	-29.3	-4.6	-59.10	-44.43	-51.49	-38.71
1.900	-39.0	-6.2	-67.93	-51.08	-59.19	-44.50
1.949	-43.7	-13.9	-72.22	-54.30	-62.93	-47.31
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
 Rating Type: I-LEGL
 Rating Live Load: 3

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	65.6	129.9	-255.6	135.4	(2-Lane)
1.051	65.6	129.9	-255.6	135.4	(1-Lane)
1.100	74.9	143.2	-268.0	168.0	(2-Lane)
1.100	74.9	143.2	-268.0	168.0	(1-Lane)
1.200	94.4	82.6	-210.9	143.1	(2-Lane)
1.200	94.4	82.6	-210.9	143.1	(1-Lane)
1.300	106.5	82.6	-211.7	166.5	(2-Lane)
1.300	106.5	82.6	-211.7	166.5	(1-Lane)
1.400	93.9	30.6	-135.8	113.2	(2-Lane)
1.400	96.6	30.6	-138.5	115.9	(1-Lane)
1.500	55.8	48.2	-104.1	104.1	(2-Lane)
1.500	56.0	48.2	-104.2	104.2	(1-Lane)
1.600	93.9	30.6	-113.2	135.8	(2-Lane)
1.600	96.6	30.6	-115.9	138.5	(1-Lane)
1.700	106.5	82.6	-166.5	211.7	(2-Lane)
1.700	106.5	82.6	-166.5	211.7	(1-Lane)
1.800	94.4	82.6	-143.1	210.9	(2-Lane)
1.800	94.4	82.6	-143.1	210.9	(1-Lane)
1.900	77.5	147.0	-179.3	269.7	(2-Lane)
1.900	77.5	147.0	-179.3	269.7	(1-Lane)
1.949	67.0	131.9	-141.2	256.4	(2-Lane)
1.949	67.0	131.9	-141.2	256.4	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
 Rating Type: I-LEGL
 Rating Live Load: 3

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	165.55	1.88	0.00	46.9	(2-Lane)
1.051	190.01	2.15	0.00	53.8	(1-Lane)
1.100	68.88	2.47	0.00	61.8	(2-Lane)
1.100	79.06	2.84	0.00	71.0	(1-Lane)
1.200	21.31	2.42	0.00	60.6	(2-Lane)
1.200	24.46	2.78	0.00	69.5	(1-Lane)
1.300	13.31	3.31	0.00	82.8	(2-Lane)
1.300	15.28	3.80	0.00	95.1	(1-Lane)
1.400	5.71	2.73	0.00	68.3	(2-Lane)
1.400	6.69	3.21	0.00	80.3	(1-Lane)
1.500	3.19	3.19	0.00	79.8	(2-Lane)
1.500	3.67	3.67	0.00	91.8	(1-Lane)
1.600	2.73	5.71	0.00	68.3	(2-Lane)
1.600	3.21	6.69	0.00	80.3	(1-Lane)
1.700	3.31	13.31	0.00	82.8	(2-Lane)
1.700	3.80	15.28	0.00	95.1	(1-Lane)
1.800	2.42	21.31	0.00	60.6	(2-Lane)
1.800	2.78	24.46	0.00	69.5	(1-Lane)
1.900	2.64	69.31	0.00	66.0	(2-Lane)
1.900	3.03	79.55	0.00	75.7	(1-Lane)
1.949	1.96	166.11	0.00	48.9	(2-Lane)
1.949	2.24	190.65	0.00	56.1	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
 Rating Type: III-LG
 Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

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Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00		0.00
1.100	218.4	39.5	153.79 R	115.63	114.99 R		86.46		
1.200	443.0	70.2	267.58 R	201.19	200.08 R		150.44		
1.300	581.4	92.1	341.37 R	256.67	255.26 R		191.92		
1.400	664.5	105.3	383.62 R	288.44	286.85 R		215.67		
1.500	692.1	109.7	391.51 R	294.36	292.74 R		220.11		
1.600	664.5	105.3	383.62 R	288.44	286.85 R		215.67		
1.700	581.4	92.1	341.37 R	256.67	255.26 R		191.92		
1.800	443.0	70.2	267.58 R	201.19	200.08 R		150.44		
1.900	249.2	39.5	153.79 R	115.63	114.99 R		86.46		
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3233

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
Rating Live Load: 3

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	72.27	999.00	22.00	999.00	0.00	549.9 (2-Lane)
1.100	96.65	999.00	29.42	999.00	0.00	735.4 (1-Lane)
1.200	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.200	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.300	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.300	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.400	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.400	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.500	22.82	999.00	6.95	999.00	0.00	173.7 (2-Lane)
1.500	30.52	999.00	9.29	999.00	0.00	232.3 (1-Lane)
1.600	23.63	999.00	7.19	999.00	0.00	179.8 (2-Lane)
1.600	31.61	999.00	9.62	999.00	0.00	240.5 (1-Lane)
1.700	27.72	999.00	8.43	999.00	0.00	210.8 (2-Lane)
1.700	37.07	999.00	11.27	999.00	0.00	281.9 (1-Lane)
1.800	37.84	999.00	11.49	999.00	0.00	287.4 (2-Lane)
1.800	50.60	999.00	15.37	999.00	0.00	384.3 (1-Lane)
1.900	71.86	999.00	21.80	999.00	0.00	545.0 (2-Lane)
1.900	96.11	999.00	29.16	999.00	0.00	728.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
 Rating Live Load: 3S2

Gamma	DC	DW	LL	(2-Lane)	(1-Lane)
	1.25	1.25	1.80		1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R		0.00
1.100	218.4	39.5	408.35 R	307.03	305.33 R		229.57
1.200	443.0	70.2	672.70 R	505.79	503.00 R		378.19
1.300	581.4	92.1	880.54 R	662.06	658.41 R		495.04
1.400	664.5	105.3	974.81 R	732.94	728.90 R		548.05
1.500	692.1	109.7	956.79 R	719.39	715.43 R		537.91
1.600	664.5	105.3	974.81 R	732.94	728.90 R		548.05
1.700	581.4	92.1	880.54 R	662.06	658.41 R		495.04
1.800	443.0	70.2	672.70 R	505.79	503.00 R		378.19
1.900	249.2	39.5	408.35 R	307.03	305.33 R		229.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
 Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
 Rating Live Load: 3S2

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.30	999.00	14.30	999.00	0.00	572.0 (2-Lane)
1.100	19.12	999.00	19.12	999.00	0.00	764.9 (1-Lane)
1.200	8.30	999.00	8.30	999.00	0.00	332.0 (2-Lane)
1.200	11.10	999.00	11.10	999.00	0.00	444.0 (1-Lane)
1.300	6.16	999.00	6.16	999.00	0.00	246.4 (2-Lane)
1.300	8.24	999.00	8.24	999.00	0.00	329.5 (1-Lane)
1.400	5.47	999.00	5.47	999.00	0.00	218.6 (2-Lane)
1.400	7.31	999.00	7.31	999.00	0.00	292.3 (1-Lane)
1.500	5.53	999.00	5.53	999.00	0.00	221.4 (2-Lane)
1.500	7.40	999.00	7.40	999.00	0.00	296.1 (1-Lane)
1.600	5.47	999.00	5.47	999.00	0.00	218.6 (2-Lane)
1.600	7.31	999.00	7.31	999.00	0.00	292.3 (1-Lane)
1.700	6.16	999.00	6.16	999.00	0.00	246.4 (2-Lane)
1.700	8.24	999.00	8.24	999.00	0.00	329.5 (1-Lane)

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1.800	8.30	999.00	8.30	999.00	0.00 332.0 (2-Lane)
1.800	11.10	999.00	11.10	999.00	0.00 444.0 (1-Lane)
1.900	14.22	999.00	14.22	999.00	0.00 569.0 (2-Lane)
1.900	19.02	999.00	19.02	999.00	0.00 760.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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 SHEAR REPORT

Structure I. D.		9999999_20120831cy17_01of01					
Member I. D.		G17					
Rating Type:		I-LEGL					
Rating Live Load:		3S2					
Gamma	DC	DW	(2-Lane)			(1-Lane)	
	1.25	1.25	LL	LL	LL	LL	
			1.80			1.80	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00		0.00
1.051	46.2	6.9	69.38	52.16	60.45		45.45
1.100	43.8	6.2	80.16	60.27	69.85		52.52
1.200	29.3	4.6	66.03	49.65	57.53		43.26
1.300	19.5	3.1	52.36	39.37	45.62		34.30
1.400	9.8	1.5	40.67	30.58	35.43		26.64
1.500	0.0	0.0	29.19	21.94	25.43		19.12
1.600	-9.8	-1.5	-40.67	-30.58	-35.43		-26.64
1.700	-19.5	-3.1	-52.36	-39.37	-45.62		-34.30
1.800	-29.3	-4.6	-66.03	-49.65	-57.53		-43.26
1.900	-39.0	-6.2	-80.16	-60.27	-69.85		-52.52
1.949	-43.7	-13.9	-87.03	-65.44	-75.83		-57.02
2.000	-48.8	0.0	0.00	0.00	0.00		0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3239
 STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G17			
Rating Type:		I-LEGL			
Rating Live Load:		3S2			
	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	88.2	30.6	118.8	-130.1	107.5 (2-Lane)
1.400	91.4	30.6	122.0	-133.3	110.7 (1-Lane)
1.500	49.6	48.2	97.9	-97.9	97.9 (2-Lane)
1.500	50.0	48.2	98.2	-98.2	98.2 (1-Lane)
1.600	88.2	30.6	118.8	-107.5	130.1 (2-Lane)
1.600	91.4	30.6	122.0	-110.7	133.3 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3240
 STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01			
Member I. D.		G17			
Rating Type:		I-LEGL			
Rating Live Load:		3S2			
Shear					
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	0.00	999.0 (2-Lane)	
1.000	999.00	999.00	0.00	999.0 (1-Lane)	

1.051	165.55	1.95	0.00	78.1 (2-Lane)
1.051	190.01	2.24	0.00	89.6 (1-Lane)
1.100	68.88	2.10	0.00	83.8 (2-Lane)
1.100	79.06	2.40	0.00	96.2 (1-Lane)
1.200	21.31	2.17	0.00	86.7 (2-Lane)
1.200	24.46	2.49	0.00	99.5 (1-Lane)
1.300	13.31	3.18	0.00	127.2 (2-Lane)
1.300	15.28	3.65	0.00	146.0 (1-Lane)
1.400	5.94	2.64	0.00	105.7 (2-Lane)
1.400	6.98	3.12	0.00	124.9 (1-Lane)
1.500	3.35	3.35	0.00	134.2 (2-Lane)
1.500	3.86	3.86	0.00	154.5 (1-Lane)
1.600	2.64	5.94	0.00	105.7 (2-Lane)
1.600	3.12	6.98	0.00	124.9 (1-Lane)
1.700	3.18	13.31	0.00	127.2 (2-Lane)
1.700	3.65	15.28	0.00	146.0 (1-Lane)
1.800	2.17	21.31	0.00	86.7 (2-Lane)
1.800	2.49	24.46	0.00	99.5 (1-Lane)
1.900	2.24	69.31	0.00	89.5 (2-Lane)
1.900	2.57	79.55	0.00	102.7 (1-Lane)
1.949	1.62	166.11	0.00	64.9 (2-Lane)
1.949	1.86	190.65	0.00	74.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	LL	(2-Lane)	(1-Lane)
	1.00	1.00	0.80		0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	
1.051	112.2	0.0	0.00 R	0.00	0.00 R			0.00	
1.100	218.4	39.5	181.49 R	136.46	135.70 R			102.03	
1.200	443.0	70.2	298.98 R	224.79	223.56 R			168.09	
1.300	581.4	92.1	391.35 R	294.25	292.63 R			220.02	
1.400	664.5	105.3	433.25 R	325.75	323.96 R			243.58	
1.500	692.1	109.7	425.24 R	319.73	317.97 R			239.07	
1.600	664.5	105.3	433.25 R	325.75	323.96 R			243.58	
1.700	581.4	92.1	391.35 R	294.25	292.63 R			220.02	
1.800	443.0	70.2	298.98 R	224.79	223.55 R			168.09	
1.900	249.2	39.5	181.49 R	136.46	135.70 R			102.03	
1.949	128.1	0.0	0.00 R	0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R	0.00	0.00 R			0.00	

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
 Rating Live Load: 3S2

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	61.24	999.00	18.64	999.00	0.00	745.6 (2-Lane)
1.100	81.90	999.00	24.93	999.00	0.00	999.0 (1-Lane)
1.200	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.200	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.300	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.300	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.400	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.400	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.500	21.01	999.00	6.40	999.00	0.00	255.8 (2-Lane)
1.500	28.10	999.00	8.55	999.00	0.00	342.1 (1-Lane)
1.600	20.93	999.00	6.37	999.00	0.00	254.8 (2-Lane)
1.600	27.99	999.00	8.52	999.00	0.00	340.7 (1-Lane)
1.700	24.18	999.00	7.35	999.00	0.00	294.2 (2-Lane)
1.700	32.34	999.00	9.84	999.00	0.00	393.4 (1-Lane)
1.800	33.87	999.00	10.29	999.00	0.00	411.5 (2-Lane)
1.800	45.29	999.00	13.76	999.00	0.00	550.3 (1-Lane)
1.900	60.90	999.00	18.47	999.00	0.00	738.9 (2-Lane)
1.900	81.44	999.00	24.71	999.00	0.00	988.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
 Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25	1.25	1.25	1.25	LL 1.80	LL 1.80	LL 1.80	LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		0.00
1.100	218.4	39.5	350.45 R		263.50	262.05 R		197.03		
1.200	443.0	70.2	578.51 R		434.97	432.57 R		325.24		
1.300	581.4	92.1	724.75 R		544.92	541.92 R		407.46		
1.400	664.5	105.3	761.27 R		572.38	569.23 R		427.99		
1.500	692.1	109.7	807.25 R		606.96	603.61 R		453.84		
1.600	664.5	105.3	761.27 R		572.38	569.23 R		427.99		
1.700	581.4	92.1	724.75 R		544.92	541.92 R		407.46		
1.800	443.0	70.2	578.51 R		434.97	432.57 R		325.24		
1.900	249.2	39.5	350.45 R		263.50	262.05 R		197.03		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
 Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5

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1.800 6096.9 6096.9 0.0 0.0 5583.7 5583.7 -513.2 -513.2
1.900 6096.9 6096.9 0.0 0.0 5808.2 5808.2 -288.7 -288.7
1.949 6096.9 6096.9 0.0 0.0 5968.8 5968.8 -128.1 -128.1
2.000 6096.9 6096.9 0.0 0.0 6096.9 6096.9 0.0 0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.66	999.00	16.66	999.00	0.00	666.5 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	891.3 (1-Lane)
1.200	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.200	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.300	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.300	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.400	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.400	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.500	6.56	999.00	6.56	999.00	0.00	262.4 (2-Lane)
1.500	8.77	999.00	8.77	999.00	0.00	350.9 (1-Lane)
1.600	7.00	999.00	7.00	999.00	0.00	279.9 (2-Lane)
1.600	9.36	999.00	9.36	999.00	0.00	374.3 (1-Lane)
1.700	7.48	999.00	7.48	999.00	0.00	299.3 (2-Lane)
1.700	10.01	999.00	10.01	999.00	0.00	400.3 (1-Lane)
1.800	9.65	999.00	9.65	999.00	0.00	386.1 (2-Lane)
1.800	12.91	999.00	12.91	999.00	0.00	516.3 (1-Lane)
1.900	16.57	999.00	16.57	999.00	0.00	662.9 (2-Lane)
1.900	22.17	999.00	22.17	999.00	0.00	886.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3246

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	74.64	56.12	65.03	48.90
1.100	43.8	6.2	68.80	51.73	59.94	45.07
1.200	29.3	4.6	56.79	42.70	49.48	37.20
1.300	19.5	3.1	44.77	33.66	39.01	29.33
1.400	9.8	1.5	34.94	26.27	30.45	22.89
1.500	0.0	0.0	27.17	20.43	23.67	17.80
1.600	-9.8	-1.5	-34.94	-26.27	-30.45	-22.89
1.700	-19.5	-3.1	-44.77	-33.66	-39.01	-29.33
1.800	-29.3	-4.6	-56.79	-42.70	-49.48	-37.20
1.900	-39.0	-6.2	-68.80	-51.73	-59.94	-45.07
1.949	-43.7	-13.9	-74.64	-56.12	-65.03	-48.90
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: 3-3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	89.2	30.6	119.7	-131.0	108.4 (2-Lane)
1.400	91.4	30.6	121.9	-133.2	110.6 (1-Lane)
1.500	50.3	48.2	98.5	-98.5	98.5 (2-Lane)
1.500	50.2	48.2	98.4	-98.4	98.4 (1-Lane)
1.600	89.2	30.6	119.7	-108.5	131.0 (2-Lane)
1.600	91.4	30.6	121.9	-110.7	133.2 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	201.03	1.81	0.00	72.6 (2-Lane)
1.051	230.73	2.08	0.00	83.3 (1-Lane)
1.100	83.64	2.44	0.00	97.7 (2-Lane)
1.100	96.00	2.80	0.00	112.1 (1-Lane)
1.200	25.87	2.52	0.00	100.8 (2-Lane)
1.200	29.70	2.89	0.00	115.7 (1-Lane)
1.300	16.16	3.72	0.00	148.8 (2-Lane)
1.300	18.55	4.27	0.00	170.7 (1-Lane)
1.400	6.76	3.10	0.00	124.1 (2-Lane)
1.400	7.88	3.63	0.00	145.4 (1-Lane)
1.500	3.63	3.63	0.00	145.1 (2-Lane)
1.500	4.16	4.16	0.00	166.3 (1-Lane)
1.600	3.10	6.76	0.00	124.1 (2-Lane)
1.600	3.63	7.88	0.00	145.4 (1-Lane)
1.700	3.72	16.16	0.00	148.8 (2-Lane)
1.700	4.27	18.55	0.00	170.7 (1-Lane)
1.800	2.52	25.87	0.00	100.8 (2-Lane)
1.800	2.89	29.70	0.00	115.7 (1-Lane)
1.900	2.61	84.16	0.00	104.3 (2-Lane)
1.900	2.99	96.59	0.00	119.7 (1-Lane)
1.949	1.89	201.70	0.00	75.7 (2-Lane)
1.949	2.17	231.50	0.00	86.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LG

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)	(1-Lane)
	DC		DW		LL	LL
	1.00		1.00		0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	155.76 R		117.11	116.46 R		87.57
1.200	443.0	70.2	257.12 R		193.32	192.25 R		144.55
1.300	581.4	92.1	322.11 R		242.19	240.85 R		181.09

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1.400	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.500	692.1	109.7	358.78 R	269.76	268.27 R	201.71
1.600	664.5	105.3	338.34 R	254.39	252.99 R	190.22
1.700	581.4	92.1	322.11 R	242.19	240.85 R	181.09
1.800	443.0	70.2	257.12 R	193.32	192.25 R	144.55
1.900	249.2	39.5	155.76 R	117.11	116.46 R	87.57
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3-3
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3250

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	71.35	999.00	21.72	999.00	0.00	868.7 (2-Lane)
1.100	95.43	999.00	29.05	999.00	0.00	999.0 (1-Lane)
1.200	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.200	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.300	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.300	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.400	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.400	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.500	24.90	999.00	7.58	999.00	0.00	303.2 (2-Lane)
1.500	33.30	999.00	10.14	999.00	0.00	405.5 (1-Lane)
1.600	26.80	999.00	8.15	999.00	0.00	326.2 (2-Lane)
1.600	35.84	999.00	10.91	999.00	0.00	436.3 (1-Lane)
1.700	29.38	999.00	8.94	999.00	0.00	357.4 (2-Lane)
1.700	39.29	999.00	11.95	999.00	0.00	478.0 (1-Lane)
1.800	39.38	999.00	11.96	999.00	0.00	478.5 (2-Lane)
1.800	52.67	999.00	16.00	999.00	0.00	639.9 (1-Lane)
1.900	70.96	999.00	21.52	999.00	0.00	861.0 (2-Lane)
1.900	94.89	999.00	28.79	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	339.76 R	255.46	254.05 R	191.01
1.200	443.0	70.2	593.12 R	445.96	443.50 R	333.46
1.300	581.4	92.1	760.09 R	571.49	568.34 R	427.33
1.400	664.5	105.3	866.58 R	651.56	647.97 R	487.20
1.500	692.1	109.7	891.18 R	670.06	666.37 R	501.03
1.600	664.5	105.3	866.58 R	651.56	647.97 R	487.20
1.700	581.4	92.1	760.09 R	571.49	568.34 R	427.33
1.800	443.0	70.2	593.12 R	445.96	443.50 R	333.46
1.900	249.2	39.5	339.76 R	255.46	254.05 R	191.01
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3252

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	464.0 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	620.6 (1-Lane)
1.200	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.200	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.300	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.300	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.400	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.400	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.500	5.94	999.00	5.94	999.00	0.00	160.4 (2-Lane)
1.500	7.95	999.00	7.95	999.00	0.00	214.5 (1-Lane)
1.600	6.15	999.00	6.15	999.00	0.00	166.0 (2-Lane)
1.600	8.22	999.00	8.22	999.00	0.00	222.0 (1-Lane)
1.700	7.14	999.00	7.14	999.00	0.00	192.6 (2-Lane)
1.700	9.54	999.00	9.54	999.00	0.00	257.6 (1-Lane)
1.800	9.41	999.00	9.41	999.00	0.00	254.2 (2-Lane)
1.800	12.59	999.00	12.59	999.00	0.00	339.9 (1-Lane)
1.900	17.09	999.00	17.09	999.00	0.00	461.6 (2-Lane)
1.900	22.86	999.00	22.86	999.00	0.00	617.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	70.82	53.25	61.71	46.40
1.100	43.8	6.2	66.70	50.15	58.11	43.69
1.200	29.3	4.6	58.22	43.77	50.73	38.14
1.300	19.5	3.1	49.74	37.40	43.34	32.58
1.400	9.8	1.5	41.26	31.02	35.95	27.03
1.500	0.0	0.0	32.78	24.65	28.56	21.47
1.600	-9.8	-1.5	-41.26	-31.02	-35.95	-27.03
1.700	-19.5	-3.1	-49.74	-37.40	-43.34	-32.58
1.800	-29.3	-4.6	-58.22	-43.77	-50.73	-38.14
1.900	-39.0	-6.2	-66.70	-50.15	-58.11	-43.69
1.949	-43.7	-13.9	-70.82	-53.25	-61.71	-46.39
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	93.5	30.6	124.1	-135.4	112.8 (2-Lane)
1.400	96.2	30.6	126.8	-138.1	115.5 (1-Lane)
1.500	55.8	48.2	104.1	-104.1	104.1 (2-Lane)
1.500	56.0	48.2	104.3	-104.3	104.3 (1-Lane)
1.600	93.5	30.6	124.1	-112.8	135.4 (2-Lane)
1.600	96.2	30.6	126.8	-115.5	138.1 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.91	0.00	51.6 (2-Lane)
1.051	213.76	2.19	0.00	59.2 (1-Lane)
1.100	77.49	2.52	0.00	68.0 (2-Lane)
1.100	88.94	2.89	0.00	78.1 (1-Lane)
1.200	22.10	2.46	0.00	66.4 (2-Lane)
1.200	25.37	2.82	0.00	76.2 (1-Lane)

1.300	13.12	3.35	0.00	90.4 (2-Lane)
1.300	15.06	3.84	0.00	103.7 (1-Lane)
1.400	5.57	2.73	0.00	73.8 (2-Lane)
1.400	6.52	3.21	0.00	86.8 (1-Lane)
1.500	3.17	3.17	0.00	85.7 (2-Lane)
1.500	3.65	3.65	0.00	98.6 (1-Lane)
1.600	2.73	5.57	0.00	73.8 (2-Lane)
1.600	3.21	6.52	0.00	86.8 (1-Lane)
1.700	3.35	13.12	0.00	90.4 (2-Lane)
1.700	3.84	15.06	0.00	103.7 (1-Lane)
1.800	2.46	22.10	0.00	66.4 (2-Lane)
1.800	2.82	25.37	0.00	76.2 (1-Lane)
1.900	2.69	77.97	0.00	72.6 (2-Lane)
1.900	3.09	89.49	0.00	83.3 (1-Lane)
1.949	1.99	186.87	0.00	53.8 (2-Lane)
1.949	2.29	214.48	0.00	61.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00		
1.100	218.4	39.5	169.88 R		127.73	127.02 R		95.51		
1.200	443.0	70.2	296.56 R		222.98	221.75 R		166.73		
1.300	581.4	92.1	380.04 R		285.75	284.17 R		213.66		
1.400	664.5	105.3	433.29 R		325.78	323.99 R		243.60		
1.500	692.1	109.7	445.59 R		335.03	333.18 R		250.51		
1.600	664.5	105.3	433.29 R		325.78	323.99 R		243.60		
1.700	581.4	92.1	380.04 R		285.75	284.17 R		213.66		
1.800	443.0	70.2	296.56 R		222.98	221.75 R		166.73		
1.900	249.2	39.5	169.88 R		127.73	127.02 R		95.51		
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00		
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00		

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3257

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
Rating Live Load: SU4

Service

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	65.42	999.00	19.91	999.00	0.00	537.7 (2-Lane)
1.100	87.49	999.00	26.63	999.00	0.00	719.0 (1-Lane)
1.200	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.200	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.300	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.300	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.400	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.400	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.500	20.05	999.00	6.10	999.00	0.00	164.8 (2-Lane)
1.500	26.81	999.00	8.16	999.00	0.00	220.4 (1-Lane)
1.600	20.92	999.00	6.37	999.00	0.00	171.9 (2-Lane)
1.600	27.98	999.00	8.52	999.00	0.00	230.0 (1-Lane)
1.700	24.90	999.00	7.57	999.00	0.00	204.5 (2-Lane)
1.700	33.30	999.00	10.13	999.00	0.00	273.4 (1-Lane)
1.800	34.14	999.00	10.37	999.00	0.00	280.0 (2-Lane)
1.800	45.66	999.00	13.87	999.00	0.00	374.5 (1-Lane)
1.900	65.06	999.00	19.74	999.00	0.00	532.9 (2-Lane)
1.900	87.00	999.00	26.39	999.00	0.00	712.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	377.07 R	283.51	281.95 R	211.99
1.200	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.300	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.400	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.500	692.1	109.7	972.29 R	731.04	727.01 R	546.62
1.600	664.5	105.3	957.06 R	719.59	715.63 R	538.07
1.700	581.4	92.1	842.64 R	633.56	630.07 R	473.74
1.800	443.0	70.2	654.95 R	492.44	489.73 R	368.21
1.900	249.2	39.5	377.07 R	283.51	281.95 R	211.99
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-LEGL
Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.48	999.00	15.48	999.00	0.00	480.0 (2-Lane)
1.100	20.71	999.00	20.71	999.00	0.00	642.0 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)
1.200	11.40	999.00	11.40	999.00	0.00	353.5 (1-Lane)
1.300	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)
1.300	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)
1.400	5.57	999.00	5.57	999.00	0.00	172.6 (2-Lane)
1.400	7.44	999.00	7.44	999.00	0.00	230.8 (1-Lane)
1.500	5.45	999.00	5.45	999.00	0.00	168.8 (2-Lane)
1.500	7.28	999.00	7.28	999.00	0.00	225.8 (1-Lane)
1.600	5.57	999.00	5.57	999.00	0.00	172.5 (2-Lane)
1.600	7.44	999.00	7.44	999.00	0.00	230.8 (1-Lane)
1.700	6.44	999.00	6.44	999.00	0.00	199.5 (2-Lane)
1.700	8.61	999.00	8.61	999.00	0.00	266.8 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00	264.3 (2-Lane)
1.800	11.40	999.00	11.40	999.00	0.00	353.5 (1-Lane)
1.900	15.40	999.00	15.40	999.00	0.00	477.5 (2-Lane)
1.900	20.60	999.00	20.60	999.00	0.00	638.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-LEGL
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	78.76	59.22	68.62	51.59
1.100	43.8	6.2	74.03	55.66	64.50	48.49
1.200	29.3	4.6	64.29	48.34	56.01	42.11
1.300	19.5	3.1	54.55	41.02	47.53	35.74
1.400	9.8	1.5	44.81	33.70	39.05	29.36
1.500	0.0	0.0	35.08	26.37	30.56	22.98
1.600	-9.8	-1.5	-44.81	-33.70	-39.05	-29.36
1.700	-19.5	-3.1	-54.55	-41.02	-47.53	-35.74
1.800	-29.3	-4.6	-64.29	-48.34	-56.01	-42.11
1.900	-39.0	-6.2	-74.03	-55.66	-64.50	-48.49
1.949	-43.7	-13.9	-78.76	-59.22	-68.62	-51.59
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17
Rating Type: I-LEGL
Rating Live Load: SU5

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)

1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	94.4	30.6	124.9	-136.2	113.6 (2-Lane)
1.400	97.5	30.6	128.1	-139.4	116.8 (1-Lane)
1.500	56.7	48.2	105.0	-105.0	105.0 (2-Lane)
1.500	57.2	48.2	105.5	-105.5	105.5 (1-Lane)
1.600	94.4	30.6	124.9	-113.6	136.2 (2-Lane)
1.600	97.5	30.6	128.1	-116.8	139.4 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	186.25	1.72	0.00	53.3 (2-Lane)
1.051	213.76	1.97	0.00	61.2 (1-Lane)
1.100	77.49	2.27	0.00	70.4 (2-Lane)
1.100	88.94	2.61	0.00	80.8 (1-Lane)
1.200	22.10	2.23	0.00	69.0 (2-Lane)
1.200	25.37	2.56	0.00	79.2 (1-Lane)
1.300	12.27	3.05	0.00	94.6 (2-Lane)
1.300	14.08	3.50	0.00	108.6 (1-Lane)
1.400	5.38	2.54	0.00	78.6 (2-Lane)
1.400	6.31	2.99	0.00	92.7 (1-Lane)
1.500	2.99	2.99	0.00	92.8 (2-Lane)
1.500	3.45	3.45	0.00	107.0 (1-Lane)
1.600	2.54	5.38	0.00	78.6 (2-Lane)
1.600	2.99	6.31	0.00	92.7 (1-Lane)
1.700	3.05	12.27	0.00	94.6 (2-Lane)
1.700	3.50	14.08	0.00	108.6 (1-Lane)
1.800	2.23	22.10	0.00	69.0 (2-Lane)
1.800	2.56	25.37	0.00	79.2 (1-Lane)
1.900	2.42	77.97	0.00	75.1 (2-Lane)
1.900	2.78	89.49	0.00	86.2 (1-Lane)
1.949	1.79	186.87	0.00	55.6 (2-Lane)
1.949	2.06	214.48	0.00	63.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LG

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	188.54 R	141.76	140.97 R	106.00
1.200	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.300	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.400	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.500	692.1	109.7	486.14 R	365.52	363.51 R	273.31
1.600	664.5	105.3	478.53 R	359.80	357.81 R	269.03
1.700	581.4	92.1	421.32 R	316.78	315.04 R	236.87
1.800	443.0	70.2	327.47 R	246.22	244.86 R	184.11
1.900	249.2	39.5	188.54 R	141.76	140.97 R	106.00
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU5

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
Rating Live Load: SU5

Service

Span	Rating		Factor		Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	58.95	999.00	17.94	999.00	0.00	556.2 (2-Lane)
1.100	78.84	999.00	24.00	999.00	0.00	743.9 (1-Lane)
1.200	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.200	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.300	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.300	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.400	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.400	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.500	18.38	999.00	5.59	999.00	0.00	173.4 (2-Lane)
1.500	24.58	999.00	7.48	999.00	0.00	231.9 (1-Lane)
1.600	18.95	999.00	5.77	999.00	0.00	178.8 (2-Lane)
1.600	25.34	999.00	7.71	999.00	0.00	239.1 (1-Lane)
1.700	22.46	999.00	6.83	999.00	0.00	211.8 (2-Lane)
1.700	30.04	999.00	9.14	999.00	0.00	283.2 (1-Lane)
1.800	30.92	999.00	9.39	999.00	0.00	291.2 (2-Lane)
1.800	41.35	999.00	12.56	999.00	0.00	389.4 (1-Lane)
1.900	58.62	999.00	17.78	999.00	0.00	551.3 (2-Lane)
1.900	78.40	999.00	23.78	999.00	0.00	737.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	LL		LL		LL		LL	
	1.25		1.25		1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	397.96 R	299.22	297.57 R	223.74
1.200	443.0	70.2	717.98 R	539.83	536.86 R	403.65
1.300	581.4	92.1	932.71 R	701.29	697.42 R	524.38
1.400	664.5	105.3	1052.03 R	791.00	786.64 R	591.46
1.500	692.1	109.7	1083.54 R	814.69	810.20 R	609.17
1.600	664.5	105.3	1052.03 R	791.00	786.64 R	591.46
1.700	581.4	92.1	932.71 R	701.29	697.42 R	524.38
1.800	443.0	70.2	717.98 R	539.83	536.86 R	403.65
1.900	249.2	39.5	397.96 R	299.22	297.57 R	223.74
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU6

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.67	999.00	14.67	999.00	0.00	509.9 (2-Lane)
1.100	19.62	999.00	19.62	999.00	0.00	681.9 (1-Lane)
1.200	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.200	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.300	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.300	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.400	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.400	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.500	4.89	999.00	4.89	999.00	0.00	169.8 (2-Lane)
1.500	6.53	999.00	6.53	999.00	0.00	227.1 (1-Lane)
1.600	5.06	999.00	5.06	999.00	0.00	176.0 (2-Lane)
1.600	6.77	999.00	6.77	999.00	0.00	235.3 (1-Lane)
1.700	5.82	999.00	5.82	999.00	0.00	202.1 (2-Lane)
1.700	7.78	999.00	7.78	999.00	0.00	270.2 (1-Lane)
1.800	7.78	999.00	7.78	999.00	0.00	270.3 (2-Lane)
1.800	10.40	999.00	10.40	999.00	0.00	361.4 (1-Lane)
1.900	14.60	999.00	14.60	999.00	0.00	507.2 (2-Lane)
1.900	19.52	999.00	19.52	999.00	0.00	678.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

9999999_20120831cy17_FlexuralRpt.txt

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	83.43	62.73	72.69	54.66
1.100	43.8	6.2	78.13	58.74	68.07	51.18
1.200	29.3	4.6	67.21	50.54	58.56	44.03
1.300	19.5	3.1	56.30	42.33	49.05	36.88
1.400	9.8	1.5	45.38	34.12	39.54	29.73
1.500	0.0	0.0	34.47	25.92	30.03	22.58
1.600	-9.8	-1.5	-45.38	-34.12	-39.54	-29.73
1.700	-19.5	-3.1	-56.30	-42.33	-49.05	-36.88
1.800	-29.3	-4.6	-67.21	-50.54	-58.56	-44.03
1.900	-39.0	-6.2	-78.13	-58.74	-68.07	-51.18
1.949	-43.7	-13.9	-83.43	-62.73	-72.69	-54.66
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	91.2	30.6	121.8	-133.1	110.5 (2-Lane)
1.400	94.7	30.6	125.3	-136.6	114.0 (1-Lane)
1.500	53.4	48.2	101.6	-101.6	101.6 (2-Lane)
1.500	54.2	48.2	102.4	-102.4	102.4 (1-Lane)
1.600	91.2	30.6	121.8	-110.5	133.1 (2-Lane)
1.600	94.7	30.6	125.3	-114.0	136.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3272

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.62	0.00	56.4 (2-Lane)
1.051	316.00	1.86	0.00	64.7 (1-Lane)
1.100	131.03	2.15	0.00	74.7 (2-Lane)
1.100	150.39	2.47	0.00	85.8 (1-Lane)
1.200	27.93	2.13	0.00	74.0 (2-Lane)
1.200	32.06	2.44	0.00	84.9 (1-Lane)
1.300	13.67	2.96	0.00	102.8 (2-Lane)
1.300	15.69	3.39	0.00	118.0 (1-Lane)
1.400	5.41	2.43	0.00	84.6 (2-Lane)
1.400	6.37	2.88	0.00	100.2 (1-Lane)
1.500	2.95	2.95	0.00	102.5 (2-Lane)

9999999_20120831cy17_FlexuralRpt.txt				
1.500	3.41	3.41	0.00	118.5 (1-Lane)
1.600	2.43	5.41	0.00	84.6 (2-Lane)
1.600	2.88	6.38	0.00	100.2 (1-Lane)
1.700	2.96	13.67	0.00	102.8 (2-Lane)
1.700	3.39	15.69	0.00	118.0 (1-Lane)
1.800	2.13	27.93	0.00	74.0 (2-Lane)
1.800	2.44	32.06	0.00	84.9 (1-Lane)
1.900	2.30	131.85	0.00	79.8 (2-Lane)
1.900	2.63	151.32	0.00	91.5 (1-Lane)
1.949	1.69	276.24	0.00	58.8 (2-Lane)
1.949	1.94	317.06	0.00	67.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LG
Rating Live Load: SU6

Gamma		DC	DW	LL	LL
		1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	218.4	39.5	198.98 R	149.61	148.79 R	111.87	111.87	111.87
1.200	443.0	70.2	358.99 R	269.92	268.43 R	201.83	201.83	201.83
1.300	581.4	92.1	466.36 R	350.64	348.71 R	262.19	262.19	262.19
1.400	664.5	105.3	526.02 R	395.50	393.32 R	295.73	295.73	295.73
1.500	692.1	109.7	541.77 R	407.35	405.10 R	304.59	304.59	304.59
1.600	664.5	105.3	526.02 R	395.50	393.32 R	295.73	295.73	295.73
1.700	581.4	92.1	466.36 R	350.64	348.71 R	262.19	262.19	262.19
1.800	443.0	70.2	358.99 R	269.92	268.43 R	201.83	201.83	201.83
1.900	249.2	39.5	198.98 R	149.61	148.79 R	111.87	111.87	111.87
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3273

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU6
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
Rating Live Load: SU6

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	55.85	999.00	17.00	999.00	0.00	590.8	(2-Lane)
1.100	74.70	999.00	22.74	999.00	0.00	790.1	(1-Lane)
1.200	28.20	999.00	8.57	999.00	0.00	297.7	(2-Lane)
1.200	37.72	999.00	11.46	999.00	0.00	398.2	(1-Lane)
1.300	20.29	999.00	6.17	999.00	0.00	214.4	(2-Lane)
1.300	27.14	999.00	8.25	999.00	0.00	286.8	(1-Lane)
1.400	17.24	999.00	5.25	999.00	0.00	182.3	(2-Lane)
1.400	23.05	999.00	7.01	999.00	0.00	243.8	(1-Lane)
1.500	16.49	999.00	5.02	999.00	0.00	174.4	(2-Lane)
1.500	22.05	999.00	6.71	999.00	0.00	233.3	(1-Lane)
1.600	17.24	999.00	5.25	999.00	0.00	182.3	(2-Lane)
1.600	23.05	999.00	7.01	999.00	0.00	243.8	(1-Lane)
1.700	20.29	999.00	6.17	999.00	0.00	214.4	(2-Lane)
1.700	27.14	999.00	8.25	999.00	0.00	286.8	(1-Lane)
1.800	28.20	999.00	8.57	999.00	0.00	297.7	(2-Lane)
1.800	37.72	999.00	11.46	999.00	0.00	398.2	(1-Lane)
1.900	55.54	999.00	16.85	999.00	0.00	585.5	(2-Lane)
1.900	74.28	999.00	22.53	999.00	0.00	783.1	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	112.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	218.4	39.5	416.40 R		313.08	311.35 R		234.10
1.200	443.0	70.2	751.06 R		564.71	561.60 R		422.25
1.300	581.4	92.1	1004.00 R		754.88	750.72 R		564.45
1.400	664.5	105.3	1135.75 R		853.95	849.24 R		638.53
1.500	692.1	109.7	1175.91 R		884.14	879.27 R		661.11
1.600	664.5	105.3	1135.75 R		853.95	849.24 R		638.53
1.700	581.4	92.1	1004.00 R		754.88	750.72 R		564.45
1.800	443.0	70.2	751.06 R		564.71	561.60 R		422.25
1.900	249.2	39.5	416.40 R		313.08	311.35 R		234.10
1.949	128.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0
1.051	6096.9	6096.9	0.0	0.0	5984.7	5984.7	-112.2	-112.2
1.100	6096.9	6096.9	0.0	0.0	5839.0	5839.0	-257.8	-257.8
1.200	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.300	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.400	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.500	6096.9	6096.9	0.0	0.0	5295.1	5295.1	-801.8	-801.8
1.600	6096.9	6096.9	0.0	0.0	5327.1	5327.1	-769.8	-769.8
1.700	6096.9	6096.9	0.0	0.0	5423.3	5423.3	-673.5	-673.5
1.800	6096.9	6096.9	0.0	0.0	5583.7	5583.7	-513.2	-513.2
1.900	6096.9	6096.9	0.0	0.0	5808.2	5808.2	-288.7	-288.7
1.949	6096.9	6096.9	0.0	0.0	5968.8	5968.8	-128.1	-128.1
2.000	6096.9	6096.9	0.0	0.0	6096.9	6096.9	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.02	999.00	14.02	999.00	0.00	543.4 (2-Lane)
1.100	18.75	999.00	18.75	999.00	0.00	726.7 (1-Lane)
1.200	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.200	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.300	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.300	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.400	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.400	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.500	4.50	999.00	4.50	999.00	0.00	174.5 (2-Lane)
1.500	6.02	999.00	6.02	999.00	0.00	233.4 (1-Lane)
1.600	4.69	999.00	4.69	999.00	0.00	181.8 (2-Lane)
1.600	6.27	999.00	6.27	999.00	0.00	243.1 (1-Lane)
1.700	5.40	999.00	5.40	999.00	0.00	209.3 (2-Lane)
1.700	7.22	999.00	7.22	999.00	0.00	279.9 (1-Lane)
1.800	7.43	999.00	7.43	999.00	0.00	288.1 (2-Lane)
1.800	9.94	999.00	9.94	999.00	0.00	385.3 (1-Lane)
1.900	13.95	999.00	13.95	999.00	0.00	540.5 (2-Lane)
1.900	18.66	999.00	18.66	999.00	0.00	722.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	48.8	0.0	0.00	0.00	0.00	0.00
1.051	46.2	6.9	87.66	65.91	76.38	57.43
1.100	43.8	6.2	81.75	61.46	71.22	53.55
1.200	29.3	4.6	69.57	52.31	60.62	45.58
1.300	19.5	3.1	57.40	43.16	50.01	37.60
1.400	9.8	1.5	45.23	34.01	39.41	29.63
1.500	0.0	0.0	33.57	25.24	29.25	21.99
1.600	-9.8	-1.5	-45.23	-34.01	-39.41	-29.63
1.700	-19.5	-3.1	-57.40	-43.16	-50.01	-37.60
1.800	-29.3	-4.6	-69.57	-52.31	-60.62	-45.58
1.900	-39.0	-6.2	-81.75	-61.46	-71.22	-53.55
1.949	-43.7	-13.9	-87.66	-65.91	-76.38	-57.43
2.000	-48.8	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU7

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (2-Lane)
1.051	65.6	129.9	195.5	-255.6	135.4 (1-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (2-Lane)
1.100	74.9	143.2	218.0	-268.0	168.0 (1-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (2-Lane)
1.200	94.4	82.6	177.0	-210.9	143.1 (1-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (2-Lane)
1.300	106.5	82.6	189.1	-211.7	166.5 (1-Lane)
1.400	87.9	30.6	118.5	-129.8	107.2 (2-Lane)

1.400	91.7	30.6	122.3	-133.6	111.0 (1-Lane)
1.500	50.5	48.2	98.7	-98.7	98.7 (2-Lane)
1.500	51.4	48.2	99.7	-99.7	99.7 (1-Lane)
1.600	87.9	30.6	118.5	-107.2	129.8 (2-Lane)
1.600	91.7	30.6	122.3	-111.0	133.6 (1-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (2-Lane)
1.700	106.5	82.6	189.1	-166.5	211.7 (1-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (2-Lane)
1.800	94.4	82.6	177.0	-143.1	210.9 (1-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (2-Lane)
1.900	77.5	147.0	224.5	-179.3	269.7 (1-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (2-Lane)
1.949	67.0	131.9	198.8	-141.2	256.4 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: I-LEGL

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	275.32	1.54	0.00	59.9 (2-Lane)
1.051	316.00	1.77	0.00	68.7 (1-Lane)
1.100	148.41	2.06	0.00	79.6 (2-Lane)
1.100	170.33	2.36	0.00	91.4 (1-Lane)
1.200	36.88	2.06	0.00	79.7 (2-Lane)
1.200	42.33	2.36	0.00	91.5 (1-Lane)
1.300	15.68	2.90	0.00	112.4 (2-Lane)
1.300	18.00	3.33	0.00	129.0 (1-Lane)
1.400	5.59	2.37	0.00	91.9 (2-Lane)
1.400	6.61	2.82	0.00	109.1 (1-Lane)
1.500	2.94	2.94	0.00	114.0 (2-Lane)
1.500	3.41	3.41	0.00	132.0 (1-Lane)
1.600	2.37	5.59	0.00	91.9 (2-Lane)
1.600	2.82	6.61	0.00	109.1 (1-Lane)
1.700	2.90	15.68	0.00	112.4 (2-Lane)
1.700	3.33	18.00	0.00	129.0 (1-Lane)
1.800	2.06	36.88	0.00	79.7 (2-Lane)
1.800	2.36	42.33	0.00	91.5 (1-Lane)
1.900	2.19	149.33	0.00	85.0 (2-Lane)
1.900	2.52	171.39	0.00	97.6 (1-Lane)
1.949	1.61	276.24	0.00	62.4 (2-Lane)
1.949	1.85	317.06	0.00	71.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LG

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	112.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	218.4	39.5	208.20 R	156.54	155.68 R	117.05
1.200	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.300	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.400	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.500	692.1	109.7	587.96 R	442.07	439.63 R	330.55
1.600	664.5	105.3	567.88 R	426.97	424.62 R	319.26
1.700	581.4	92.1	502.00 R	377.44	375.36 R	282.23
1.800	443.0	70.2	375.53 R	282.35	280.80 R	211.13
1.900	249.2	39.5	208.20 R	156.54	155.68 R	117.05
1.949	128.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3281

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU7

Span	Service Resistance		Available Resistance for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.400	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.500	4.5	4.1	-4.5	-4.1	3.2	2.9	-6.0	-5.3
1.600	4.5	4.1	-4.5	-4.1	3.3	3.0	-6.0	-5.3
1.700	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.800	4.5	4.0	-4.5	-4.0	3.7	3.3	-5.5	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.6	-5.0	-4.5
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G17

Rating Type: III-LGL S
Rating Live Load: SU7

Service

Span	Rating Factor		Load Resistance (tons)	
	top fiber +bend	bottom fiber -bend	Rating Value	Load Resistance
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	53.38	16.25	0.00	629.6 (2-Lane)
1.100	71.39	21.73	0.00	842.0 (1-Lane)
1.200	26.96	8.19	0.00	317.4 (2-Lane)
1.200	36.06	10.95	0.00	424.5 (1-Lane)
1.300	18.85	5.73	0.00	222.2 (2-Lane)
1.300	25.21	7.67	0.00	297.1 (1-Lane)
1.400	15.97	4.86	0.00	188.3 (2-Lane)
1.400	21.35	6.50	0.00	251.8 (1-Lane)
1.500	15.19	4.63	0.00	179.2 (2-Lane)
1.500	20.32	6.19	0.00	239.7 (1-Lane)
1.600	15.97	4.86	0.00	188.3 (2-Lane)
1.600	21.35	6.50	0.00	251.8 (1-Lane)
1.700	18.85	5.73	0.00	222.2 (2-Lane)
1.700	25.21	7.67	0.00	297.1 (1-Lane)
1.800	26.96	8.19	0.00	317.4 (2-Lane)
1.800	36.06	10.95	0.00	424.5 (1-Lane)
1.900	53.08	16.10	0.00	624.0 (2-Lane)
1.900	70.99	21.54	0.00	834.5 (1-Lane)
1.949	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3282

BRIDGE / MEMBER DATA

Bridge ID 9999999_20120831cy17_01of01

NBI ID 9999999

Facility Carried I ###

Feature Intersected Roadway

Material of Construction CPS
 Year of Construction 1963
 Roadway Width 55.500
 Number of Spans 1

Live Load Distribution Factor 0.813

Condition Factor: 1.000
 System Factor: 1.000

ADTT: 8050

Shear Live Load Dist. Factor 0.813
LRFD LLDF Moment

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.564	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LRFD LLDF Shear

	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
1-lane DF	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Span 1			Span 2			Span 3		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
2-lane DF	0.498	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-lane ft	56.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Comments:

Member ID G18 01-EG018
Symmetry:

Span Length: Span 1 56.786 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	56.786	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	56.786	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Concentrated Load (kips)	
			Left	Right	Length	
1	W	0.000	207.3	207.3	56.786	0.0
1	Z	0.000	85.0	85.0	56.786	0.0

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

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SECTION DATA

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Span	Sect. Height	Top Flg. Width	Top Flg. Thk.	Top Fil. Thk.	Web Thk.	Bott. Fil. Thk.	Bott. Flg. Thk.	Bott. Flg. Width	Void Area	Dy	Prestress Strands Area	Dy
1.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.051	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.100	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.200	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.300	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.400	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.500	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.600	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.700	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.800	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.900	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
1.949	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08
2.000	45.00	16.0	7.0	4.50	7.0	7.50	7.0	22.0	0.0	0.00	6.9	6.08

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SECTION STRENGTH

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Span	Sect. Area	Neutral Axis Top	Neutral Axis Bott.	Moment of Inertia	Section Top	Modulus Bott.	Ecc	Prestressing Force Fi	Total	Force Ff
1.000	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	532.8	761.4
1.051	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.9	770.3
1.100	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.9	778.3
1.200	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	501.5	792.7
1.300	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	491.7	802.5
1.400	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	485.8	808.4
1.500	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	483.8	810.4
1.600	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	485.8	808.4
1.700	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	491.7	802.5
1.800	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	501.5	792.7
1.900	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	515.2	779.0
1.949	559.5	24.70	20.30	125390.4	5071.1	6185.0	14.19	1294.2	523.5	770.7

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SECTION STRENGTH (N=N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Span	Neutral Axis		Moment +Bend (n=n)	of Inertia +Bend (n=3n)	Section Modulus			
	Top	Bott.			+Bend (n=n) Top	Bott.	+Bend (n=3n) Top	Bott.
1.000	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.051	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.100	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.200	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.300	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.400	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.500	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.600	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.700	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.800	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.900	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
1.949	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7
2.000	12.30	32.70	356275.9	230449.5	28906.4	10903.7	12083.8	8887.7

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SECTION STRENGTH (N=3N)

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Span	Comp. Slab Width	Comp. Slab Thk.	Dist. to Beam Top	Non-Prestressed Reinforcement	
				Area	Dy
1.000	70.00	7.50	6.00	0.00	0.00
1.051	70.00	7.50	6.00	0.00	0.00
1.100	70.00	7.50	6.00	0.00	0.00
1.200	70.00	7.50	6.00	0.00	0.00
1.300	70.00	7.50	6.00	0.00	0.00
1.400	70.00	7.50	6.00	0.00	0.00
1.500	70.00	7.50	6.00	0.00	0.00
1.600	70.00	7.50	6.00	0.00	0.00
1.700	70.00	7.50	6.00	0.00	0.00
1.800	70.00	7.50	6.00	0.00	0.00
1.900	70.00	7.50	6.00	0.00	0.00
1.949	70.00	7.50	6.00	0.00	0.00
2.000	70.00	7.50	6.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3285

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC		DW	(2-Lane)		(1-Lane)				
	1.25			LL 1.75		LL 1.75				
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	486.49 R	0.00	388.53	0.00	420.93 R	0.00	336.17	0.00
1.200	391.2	66.8	845.27 R	0.00	675.97	0.00	731.37 R	0.00	584.88	0.00
1.300	513.5	87.7	1076.33 R	0.00	862.34	0.00	931.30 R	0.00	746.14	0.00
1.400	586.9	100.3	1209.09 R	0.00	969.74	0.00	1046.17 R	0.00	839.07	0.00
1.500	611.3	104.4	1228.84 R	0.00	987.12	0.00	1063.25 R	0.00	854.10	0.00
1.600	586.9	100.3	1209.09 R	0.00	969.74	0.00	1046.17 R	0.00	839.07	0.00
1.700	513.5	87.7	1076.33 R	0.00	862.34	0.00	931.30 R	0.00	746.14	0.00
1.800	391.2	66.8	845.27 R	0.00	675.97	0.00	731.37 R	0.00	584.88	0.00
1.900	220.1	37.6	486.49 R	0.00	388.53	0.00	420.93 R	0.00	336.17	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HL93

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
1.100	11.86	999.00		11.86	999.00	0.00	427.1 (2-Lane)
1.100	13.71	999.00		13.71	999.00	0.00	493.6 (1-Lane)
1.200	6.57	999.00		6.57	999.00	0.00	236.6 (2-Lane)
1.200	7.60	999.00		7.60	999.00	0.00	273.5 (1-Lane)
1.300	5.03	999.00		5.03	999.00	0.00	181.0 (2-Lane)
1.300	5.81	999.00		5.81	999.00	0.00	209.2 (1-Lane)
1.400	4.41	999.00		4.41	999.00	0.00	158.6 (2-Lane)
1.400	5.09	999.00		5.09	999.00	0.00	183.3 (1-Lane)
1.500	4.31	999.00		4.31	999.00	0.00	155.2 (2-Lane)
1.500	4.98	999.00		4.98	999.00	0.00	179.4 (1-Lane)
1.600	4.41	999.00		4.41	999.00	0.00	158.6 (2-Lane)
1.600	5.09	999.00		5.09	999.00	0.00	183.3 (1-Lane)
1.700	5.03	999.00		5.03	999.00	0.00	181.0 (2-Lane)
1.700	5.81	999.00		5.81	999.00	0.00	209.2 (1-Lane)
1.800	6.57	999.00		6.57	999.00	0.00	236.6 (2-Lane)
1.800	7.60	999.00		7.60	999.00	0.00	273.5 (1-Lane)
1.900	11.83	999.00		11.83	999.00	0.00	425.9 (2-Lane)
1.900	13.67	999.00		13.67	999.00	0.00	492.3 (1-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00		999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HL93

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	79.70	0.00	63.46	0.00
1.100	36.9	5.9	74.22	0.00	58.99	0.00
1.200	25.8	4.4	63.18	0.00	50.02	0.00
1.300	17.2	2.9	52.46	0.00	41.37	0.00
1.400	8.6	1.5	42.06	0.00	33.04	0.00
1.500	0.0	0.0	31.97	0.00	25.02	0.00
1.600	-8.6	-1.5	-42.06	0.00	-33.04	0.00
1.700	-17.2	-2.9	-52.46	0.00	-41.37	0.00
1.800	-25.8	-4.4	-63.18	0.00	-50.02	0.00
1.900	-34.4	-5.9	-74.22	0.00	-58.99	0.00
1.949	-38.6	-13.2	-79.70	0.00	-63.46	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	83.4	30.2	113.6	-123.7	103.5 (2-Lane)
1.400	89.6	30.2	119.8	-129.9	109.8 (1-Lane)
1.500	50.1	47.7	97.7	-97.7	97.7 (2-Lane)
1.500	53.7	47.7	101.4	-101.4	101.4 (1-Lane)
1.600	83.4	30.2	113.6	-103.6	123.7 (2-Lane)
1.600	89.6	30.2	119.8	-109.8	129.9 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: HL93

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	137.06	1.95	0.00	70.1 (2-Lane)
1.051	136.51	1.94	0.00	69.8 (1-Lane)
1.100	72.02	2.49	0.00	89.7 (2-Lane)
1.100	71.73	2.48	0.00	89.3 (1-Lane)
1.200	20.21	2.30	0.00	82.8 (2-Lane)
1.200	20.13	2.29	0.00	82.4 (1-Lane)
1.300	12.25	3.15	0.00	113.3 (2-Lane)
1.300	12.20	3.14	0.00	112.9 (1-Lane)
1.400	5.23	2.46	0.00	88.6 (2-Lane)
1.400	5.47	2.60	0.00	93.6 (1-Lane)
1.500	3.06	3.06	0.00	110.0 (2-Lane)
1.500	3.16	3.16	0.00	113.7 (1-Lane)
1.600	2.46	5.23	0.00	88.6 (2-Lane)
1.600	2.60	5.47	0.00	93.6 (1-Lane)
1.700	3.15	12.25	0.00	113.3 (2-Lane)
1.700	3.14	12.20	0.00	112.9 (1-Lane)
1.800	2.30	20.21	0.00	82.8 (2-Lane)
1.800	2.29	20.13	0.00	82.4 (1-Lane)
1.900	2.56	69.24	0.00	92.3 (2-Lane)
1.900	2.55	68.97	0.00	91.9 (1-Lane)
1.949	1.98	134.26	0.00	71.3 (2-Lane)
1.949	1.97	133.73	0.00	71.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3291

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: HL93

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	222.40 R	0.00	177.61	0.00	192.43 R	0.00	153.68	0.00
1.200	313.0	53.5	386.41 R	0.00	309.02	0.00	334.34 R	0.00	267.38	0.00
1.300	410.8	70.2	492.04 R	0.00	394.21	0.00	425.74 R	0.00	341.09	0.00
1.400	469.5	80.2	552.73 R	0.00	443.31	0.00	478.25 R	0.00	383.57	0.00
1.500	489.0	83.6	561.76 R	0.00	451.25	0.00	486.06 R	0.00	390.45	0.00
1.600	469.5	80.2	552.73 R	0.00	443.31	0.00	478.25 R	0.00	383.57	0.00
1.700	410.8	70.2	492.04 R	0.00	394.21	0.00	425.74 R	0.00	341.09	0.00
1.800	313.0	53.5	386.41 R	0.00	309.02	0.00	334.34 R	0.00	267.38	0.00
1.900	176.1	30.1	222.40 R	0.00	177.61	0.00	192.43 R	0.00	153.68	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3291

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HL93

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3292

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S

Rating Live Load: HL93

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	43.90	999.00	14.98	999.00	0.00	539.4 (2-Lane)
1.100	50.74	999.00	17.32	999.00	0.00	623.4 (1-Lane)
1.200	23.27	999.00	7.95	999.00	0.00	286.3 (2-Lane)
1.200	26.89	999.00	9.19	999.00	0.00	330.9 (1-Lane)
1.300	17.19	999.00	5.89	999.00	0.00	212.1 (2-Lane)
1.300	19.87	999.00	6.81	999.00	0.00	245.1 (1-Lane)
1.400	14.73	999.00	5.05	999.00	0.00	182.0 (2-Lane)
1.400	17.02	999.00	5.84	999.00	0.00	210.3 (1-Lane)
1.500	14.30	999.00	4.91	999.00	0.00	176.8 (2-Lane)
1.500	16.53	999.00	5.68	999.00	0.00	204.3 (1-Lane)
1.600	14.73	999.00	5.05	999.00	0.00	182.0 (2-Lane)
1.600	17.02	999.00	5.84	999.00	0.00	210.3 (1-Lane)
1.700	17.19	999.00	5.89	999.00	0.00	212.1 (2-Lane)
1.700	19.87	999.00	6.81	999.00	0.00	245.1 (1-Lane)
1.800	23.27	999.00	7.95	999.00	0.00	286.3 (2-Lane)
1.800	26.89	999.00	9.19	999.00	0.00	330.9 (1-Lane)
1.900	43.77	999.00	14.92	999.00	0.00	537.0 (2-Lane)
1.900	50.58	999.00	17.24	999.00	0.00	620.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HS20

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL 1.75		LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	394.83 R	0.00	296.86	0.00	341.62 R	0.00	256.86	0.00
1.200	391.2	66.8	682.31 R	0.00	513.02	0.00	590.37 R	0.00	443.89	0.00
1.300	513.5	87.7	862.46 R	0.00	648.46	0.00	746.24 R	0.00	561.08	0.00
1.400	586.9	100.3	964.66 R	0.00	725.31	0.00	834.67 R	0.00	627.57	0.00
1.500	611.3	104.4	974.23 R	0.00	732.50	0.00	842.95 R	0.00	633.79	0.00
1.600	586.9	100.3	964.66 R	0.00	725.31	0.00	834.67 R	0.00	627.57	0.00
1.700	513.5	87.7	862.46 R	0.00	648.46	0.00	746.24 R	0.00	561.08	0.00
1.800	391.2	66.8	682.31 R	0.00	513.02	0.00	590.37 R	0.00	443.89	0.00
1.900	220.1	37.6	394.83 R	0.00	296.86	0.00	341.62 R	0.00	256.86	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: HS20

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	14.62	999.00	14.62	999.00	292.35	526.2 (2-Lane)
1.100	16.89	999.00	16.89	999.00	337.88	608.2 (1-Lane)
1.200	8.14	999.00	8.14	999.00	162.85	293.1 (2-Lane)
1.200	9.41	999.00	9.41	999.00	188.21	338.8 (1-Lane)
1.300	6.28	999.00	6.28	999.00	125.51	225.9 (2-Lane)
1.300	7.25	999.00	7.25	999.00	145.06	261.1 (1-Lane)
1.400	5.52	999.00	5.52	999.00	110.43	198.8 (2-Lane)
1.400	6.38	999.00	6.38	999.00	127.63	229.7 (1-Lane)
1.500	5.44	999.00	5.44	999.00	108.76	195.8 (2-Lane)
1.500	6.28	999.00	6.28	999.00	125.70	226.3 (1-Lane)
1.600	5.52	999.00	5.52	999.00	110.43	198.8 (2-Lane)
1.600	6.38	999.00	6.38	999.00	127.63	229.7 (1-Lane)
1.700	6.28	999.00	6.28	999.00	125.51	225.9 (2-Lane)
1.700	7.25	999.00	7.25	999.00	145.06	261.1 (1-Lane)

1.800	8.14	999.00	8.14	999.00	162.85	293.1	(2-Lane)
1.800	9.41	999.00	9.41	999.00	188.21	338.8	(1-Lane)
1.900	14.58	999.00	14.58	999.00	291.57	524.8	(2-Lane)
1.900	16.85	999.00	16.85	999.00	336.98	606.6	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	65.45	0.00	49.21	0.00	65.71	0.00	49.41	0.00
1.100	36.9	5.9	61.39	0.00	46.16	0.00	61.64	0.00	46.35	0.00
1.200	25.8	4.4	53.05	0.00	39.89	0.00	53.26	0.00	40.05	0.00
1.300	17.2	2.9	44.70	0.00	33.61	0.00	44.88	0.00	33.75	0.00
1.400	8.6	1.5	36.36	0.00	27.34	0.00	36.50	0.00	27.45	0.00
1.500	0.0	0.0	28.01	0.00	21.06	0.00	28.12	0.00	21.15	0.00
1.600	-8.6	-1.5	-36.36	0.00	-27.34	0.00	-36.50	0.00	-27.45	0.00
1.700	-17.2	-2.9	-44.70	0.00	-33.61	0.00	-44.88	0.00	-33.75	0.00
1.800	-25.8	-4.4	-53.05	0.00	-39.89	0.00	-53.26	0.00	-40.05	0.00
1.900	-34.4	-5.9	-61.39	0.00	-46.16	0.00	-61.64	0.00	-46.35	0.00
1.949	-38.6	-13.2	-65.45	0.00	-49.21	0.00	-65.71	0.00	-49.41	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	84.8	30.2	115.1	-125.1	105.0 (2-Lane)
1.400	90.6	30.2	120.8	-130.9	110.8 (1-Lane)
1.500	50.4	47.7	98.0	-98.0	98.0 (2-Lane)
1.500	53.7	47.7	101.4	-101.4	101.4 (1-Lane)
1.600	84.8	30.2	115.1	-105.0	125.1 (2-Lane)
1.600	90.6	30.2	120.9	-110.8	130.9 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)

1.051	137.06	2.37	47.41	85.3 (2-Lane)
1.051	136.51	2.36	47.22	85.0 (1-Lane)
1.100	72.89	3.01	60.23	108.4 (2-Lane)
1.100	72.60	3.00	59.99	108.0 (1-Lane)
1.200	27.74	2.74	54.77	98.6 (2-Lane)
1.200	27.63	2.73	54.56	98.2 (1-Lane)
1.300	15.68	3.69	73.90	133.0 (2-Lane)
1.300	15.61	3.68	73.60	132.5 (1-Lane)
1.400	6.10	2.89	57.75	103.9 (2-Lane)
1.400	6.35	3.03	60.69	109.2 (1-Lane)
1.500	3.50	3.50	70.00	126.0 (2-Lane)
1.500	3.61	3.61	72.11	129.8 (1-Lane)
1.600	2.89	6.10	57.75	104.0 (2-Lane)
1.600	3.04	6.35	60.69	109.2 (1-Lane)
1.700	3.69	15.68	73.90	133.0 (2-Lane)
1.700	3.68	15.61	73.60	132.5 (1-Lane)
1.800	2.74	27.74	54.77	98.6 (2-Lane)
1.800	2.73	27.63	54.56	98.2 (1-Lane)
1.900	3.10	73.04	61.98	111.6 (2-Lane)
1.900	3.09	72.75	61.73	111.1 (1-Lane)
1.949	2.41	137.21	48.25	86.9 (2-Lane)
1.949	2.40	136.66	48.06	86.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	180.49 R	0.00	135.71	0.00	156.17 R	0.00	117.42	0.00
1.200	313.0	53.5	311.91 R	0.00	234.52	0.00	269.88 R	0.00	202.92	0.00
1.300	410.8	70.2	394.27 R	0.00	296.44	0.00	341.14 R	0.00	256.49	0.00
1.400	469.5	80.2	440.99 R	0.00	331.57	0.00	381.56 R	0.00	286.89	0.00
1.500	489.0	83.6	445.36 R	0.00	334.86	0.00	385.35 R	0.00	289.73	0.00
1.600	469.5	80.2	440.99 R	0.00	331.57	0.00	381.56 R	0.00	286.89	0.00
1.700	410.8	70.2	394.27 R	0.00	296.44	0.00	341.14 R	0.00	256.49	0.00
1.800	313.0	53.5	311.91 R	0.00	234.52	0.00	269.88 R	0.00	202.92	0.00
1.900	176.1	30.1	180.49 R	0.00	135.71	0.00	156.17 R	0.00	117.42	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3299

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: HS20

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: III-INV S
 Rating Live Load: HS20

Span	Service				Rating Value	Load Resistance (tons)	
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend			
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
1.100	54.09	999.00	18.46	999.00	369.26	664.7	(2-Lane)
1.100	62.52	999.00	21.34	999.00	426.76	768.2	(1-Lane)
1.200	28.82	999.00	9.85	999.00	197.04	354.7	(2-Lane)
1.200	33.31	999.00	11.39	999.00	227.73	409.9	(1-Lane)
1.300	21.46	999.00	7.35	999.00	147.03	264.7	(2-Lane)
1.300	24.80	999.00	8.50	999.00	169.93	305.9	(1-Lane)
1.400	18.46	999.00	6.34	999.00	126.70	228.1	(2-Lane)
1.400	21.34	999.00	7.32	999.00	146.44	263.6	(1-Lane)
1.500	18.04	999.00	6.20	999.00	123.89	223.0	(2-Lane)
1.500	20.85	999.00	7.16	999.00	143.19	257.7	(1-Lane)
1.600	18.46	999.00	6.34	999.00	126.70	228.1	(2-Lane)
1.600	21.34	999.00	7.32	999.00	146.44	263.6	(1-Lane)
1.700	21.46	999.00	7.35	999.00	147.03	264.7	(2-Lane)
1.700	24.80	999.00	8.50	999.00	169.93	305.9	(1-Lane)
1.800	28.82	999.00	9.85	999.00	197.04	354.7	(2-Lane)
1.800	33.31	999.00	11.39	999.00	227.73	409.9	(1-Lane)
1.900	53.93	999.00	18.38	999.00	367.58	661.6	(2-Lane)
1.900	62.33	999.00	21.24	999.00	424.83	764.7	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-INV
 Rating Live Load: 3

Gamma DC DW LL (2-Lane) LL (1-Lane)
 1.25 1.25 1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	286.61 R	0.00	215.50	0.00	247.99 R	0.00	186.46	0.00
1.200	391.2	66.8	498.68 R	0.00	374.95	0.00	431.48 R	0.00	324.42	0.00
1.300	513.5	87.7	636.21 R	0.00	478.35	0.00	550.48 R	0.00	413.89	0.00
1.400	586.9	100.3	714.94 R	0.00	537.55	0.00	618.60 R	0.00	465.12	0.00
1.500	611.3	104.4	729.64 R	0.00	548.60	0.00	631.32 R	0.00	474.67	0.00
1.600	586.9	100.3	714.94 R	0.00	537.55	0.00	618.60 R	0.00	465.12	0.00
1.700	513.5	87.7	636.21 R	0.00	478.35	0.00	550.48 R	0.00	413.89	0.00
1.800	391.2	66.8	498.68 R	0.00	374.95	0.00	431.48 R	0.00	324.42	0.00
1.900	220.1	37.6	286.61 R	0.00	215.50	0.00	247.99 R	0.00	186.46	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-INV
 Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1

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1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.14	999.00	20.14	999.00	0.00	503.4 (2-Lane)
1.100	23.27	999.00	23.27	999.00	0.00	581.8 (1-Lane)
1.200	11.14	999.00	11.14	999.00	0.00	278.5 (2-Lane)
1.200	12.88	999.00	12.88	999.00	0.00	321.9 (1-Lane)
1.300	8.51	999.00	8.51	999.00	0.00	212.7 (2-Lane)
1.300	9.83	999.00	9.83	999.00	0.00	245.8 (1-Lane)
1.400	7.45	999.00	7.45	999.00	0.00	186.3 (2-Lane)
1.400	8.61	999.00	8.61	999.00	0.00	215.3 (1-Lane)
1.500	7.26	999.00	7.26	999.00	0.00	181.5 (2-Lane)
1.500	8.39	999.00	8.39	999.00	0.00	209.8 (1-Lane)
1.600	7.45	999.00	7.45	999.00	0.00	186.3 (2-Lane)
1.600	8.61	999.00	8.61	999.00	0.00	215.3 (1-Lane)
1.700	8.51	999.00	8.51	999.00	0.00	212.7 (2-Lane)
1.700	9.83	999.00	9.83	999.00	0.00	245.8 (1-Lane)
1.800	11.14	999.00	11.14	999.00	0.00	278.5 (2-Lane)
1.800	12.88	999.00	12.88	999.00	0.00	321.9 (1-Lane)
1.900	20.08	999.00	20.08	999.00	0.00	502.1 (2-Lane)
1.900	23.21	999.00	23.21	999.00	0.00	580.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	47.38	0.00	35.63	0.00
1.100	36.9	5.9	44.57	0.00	33.51	0.00
1.200	25.8	4.4	38.77	0.00	29.15	0.00
1.300	17.2	2.9	32.98	0.00	24.79	0.00
1.400	8.6	1.5	27.18	0.00	20.44	0.00
1.500	0.0	0.0	21.38	0.00	16.08	0.00
1.600	-8.6	-1.5	-27.18	0.00	-20.44	0.00
1.700	-17.2	-2.9	-32.98	0.00	-24.79	0.00
1.800	-25.8	-4.4	-38.77	0.00	-29.15	0.00
1.900	-34.4	-5.9	-44.57	0.00	-33.51	0.00
1.949	-38.6	-13.2	-47.38	0.00	-35.63	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	81.3	30.2	111.5	-121.6	101.4 (2-Lane)
1.400	86.0	30.2	116.2	-126.3	106.2 (1-Lane)
1.500	46.3	47.7	94.0	-94.0	94.0 (2-Lane)
1.500	48.9	47.7	96.6	-96.6	96.6 (1-Lane)
1.600	81.3	30.2	111.5	-101.4	121.6 (2-Lane)
1.600	86.0	30.2	116.2	-106.2	126.3 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	257.99	3.27	0.00	81.9 (2-Lane)
1.051	256.96	3.26	0.00	81.5 (1-Lane)
1.100	105.91	4.15	0.00	103.7 (2-Lane)
1.100	105.48	4.13	0.00	103.3 (1-Lane)
1.200	31.69	3.75	0.00	93.7 (2-Lane)
1.200	31.56	3.73	0.00	93.3 (1-Lane)
1.300	19.69	5.01	0.00	125.2 (2-Lane)
1.300	19.62	4.99	0.00	124.7 (1-Lane)
1.400	7.80	3.73	0.00	93.3 (2-Lane)
1.400	8.07	3.89	0.00	97.2 (1-Lane)
1.500	4.39	4.39	0.00	109.8 (2-Lane)
1.500	4.50	4.50	0.00	112.5 (1-Lane)
1.600	3.73	7.80	0.00	93.3 (2-Lane)
1.600	3.89	8.07	0.00	97.3 (1-Lane)
1.700	5.01	19.69	0.00	125.2 (2-Lane)
1.700	4.99	19.62	0.00	124.7 (1-Lane)
1.800	3.75	31.69	0.00	93.7 (2-Lane)
1.800	3.73	31.56	0.00	93.3 (1-Lane)
1.900	4.27	106.12	0.00	106.7 (2-Lane)
1.900	4.25	105.70	0.00	106.3 (1-Lane)
1.949	3.33	258.27	0.00	83.3 (2-Lane)
1.949	3.32	257.24	0.00	83.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN
Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	131.02 R	0.00	98.51	0.00	113.37 R	0.00	85.24	0.00
1.200	313.0	53.5	227.97 R	0.00	171.41	0.00	197.25 R	0.00	148.31	0.00

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1.300	410.8	70.2	290.84 R	0.00	218.68	0.00	251.65 R	0.00	189.21
1.400	469.5	80.2	326.83 R	0.00	245.74	0.00	282.79 R	0.00	212.62
1.500	489.0	83.6	333.55 R	0.00	250.79	0.00	288.60 R	0.00	216.99
1.600	469.5	80.2	326.83 R	0.00	245.74	0.00	282.79 R	0.00	212.62
1.700	410.8	70.2	290.84 R	0.00	218.68	0.00	251.65 R	0.00	189.21
1.800	313.0	53.5	227.97 R	0.00	171.41	0.00	197.25 R	0.00	148.31
1.900	176.1	30.1	131.02 R	0.00	98.51	0.00	113.37 R	0.00	85.24
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S

Rating Live Load: 3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	74.51	999.00	25.43	999.00	0.00	635.8 (2-Lane)
1.100	86.12	999.00	29.40	999.00	0.00	734.9 (1-Lane)
1.200	39.44	999.00	13.48	999.00	0.00	337.0 (2-Lane)
1.200	45.58	999.00	15.58	999.00	0.00	389.5 (1-Lane)
1.300	29.09	999.00	9.97	999.00	0.00	249.1 (2-Lane)
1.300	33.62	999.00	11.52	999.00	0.00	287.9 (1-Lane)
1.400	24.91	999.00	8.55	999.00	0.00	213.7 (2-Lane)
1.400	28.79	999.00	9.88	999.00	0.00	247.0 (1-Lane)
1.500	24.09	999.00	8.27	999.00	0.00	206.8 (2-Lane)
1.500	27.84	999.00	9.56	999.00	0.00	239.0 (1-Lane)
1.600	24.91	999.00	8.55	999.00	0.00	213.7 (2-Lane)
1.600	28.79	999.00	9.88	999.00	0.00	247.0 (1-Lane)
1.700	29.09	999.00	9.97	999.00	0.00	249.1 (2-Lane)
1.700	33.62	999.00	11.52	999.00	0.00	287.9 (1-Lane)
1.800	39.44	999.00	13.48	999.00	0.00	337.0 (2-Lane)
1.800	45.58	999.00	15.58	999.00	0.00	389.5 (1-Lane)
1.900	74.29	999.00	25.32	999.00	0.00	633.0 (2-Lane)
1.900	85.86	999.00	29.26	999.00	0.00	731.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-INV
 Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)				(1-Lane)			
	1.25	1.25	LL 1.75				LL 1.75			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	338.23 R	0.00	254.31	0.00	292.65 R	0.00	220.04	0.00
1.200	391.2	66.8	557.19 R	0.00	418.94	0.00	482.11 R	0.00	362.49	0.00
1.300	513.5	87.7	729.35 R	0.00	548.38	0.00	631.07 R	0.00	474.49	0.00
1.400	586.9	100.3	807.44 R	0.00	607.10	0.00	698.63 R	0.00	525.29	0.00
1.500	611.3	104.4	792.51 R	0.00	595.87	0.00	685.72 R	0.00	515.58	0.00
1.600	586.9	100.3	807.44 R	0.00	607.10	0.00	698.63 R	0.00	525.29	0.00
1.700	513.5	87.7	729.35 R	0.00	548.38	0.00	631.07 R	0.00	474.49	0.00
1.800	391.2	66.8	557.19 R	0.00	418.94	0.00	482.11 R	0.00	362.49	0.00
1.900	220.1	37.6	338.23 R	0.00	254.31	0.00	292.65 R	0.00	220.04	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-INV
 Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	0.0	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	-105.2	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	-242.3	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	-458.1	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	-601.2	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	-687.1	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	-715.8	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	-687.1	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	-601.2	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	-458.1	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	-257.7	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	-113.1	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	0.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-INV
 Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.06	999.00	17.06	999.00	0.00	682.5 (2-Lane)
1.100	19.72	999.00	19.72	999.00	0.00	788.8 (1-Lane)
1.200	9.97	999.00	9.97	999.00	0.00	398.8 (2-Lane)
1.200	11.52	999.00	11.52	999.00	0.00	460.9 (1-Lane)
1.300	7.42	999.00	7.42	999.00	0.00	296.8 (2-Lane)
1.300	8.58	999.00	8.58	999.00	0.00	343.1 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	263.9 (2-Lane)
1.400	7.62	999.00	7.62	999.00	0.00	305.0 (1-Lane)
1.500	6.68	999.00	6.68	999.00	0.00	267.4 (2-Lane)
1.500	7.73	999.00	7.73	999.00	0.00	309.0 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	263.9 (2-Lane)
1.600	7.62	999.00	7.62	999.00	0.00	305.0 (1-Lane)
1.700	7.42	999.00	7.42	999.00	0.00	296.8 (2-Lane)
1.700	8.58	999.00	8.58	999.00	0.00	343.1 (1-Lane)
1.800	9.97	999.00	9.97	999.00	0.00	398.8 (2-Lane)
1.800	11.52	999.00	11.52	999.00	0.00	460.9 (1-Lane)
1.900	17.02	999.00	17.02	999.00	0.00	680.7 (2-Lane)
1.900	19.67	999.00	19.67	999.00	0.00	786.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.949 999.00 999.00 999.00 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: 3S2

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL LL
1.75 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	45.52	0.00	34.22	0.00	45.70	0.00	34.36	0.00
1.100	36.9	5.9	52.59	0.00	39.54	0.00	52.80	0.00	39.70	0.00
1.200	25.8	4.4	43.32	0.00	32.57	0.00	43.49	0.00	32.70	0.00
1.300	17.2	2.9	34.35	0.00	25.83	0.00	34.49	0.00	25.93	0.00
1.400	8.6	1.5	26.68	0.00	20.06	0.00	26.79	0.00	20.14	0.00
1.500	0.0	0.0	19.15	0.00	14.40	0.00	19.22	0.00	14.45	0.00
1.600	-8.6	-1.5	-26.68	0.00	-20.06	0.00	-26.79	0.00	-20.14	0.00
1.700	-17.2	-2.9	-34.35	0.00	-25.83	0.00	-34.49	0.00	-25.93	0.00
1.800	-25.8	-4.4	-43.32	0.00	-32.57	0.00	-43.49	0.00	-32.70	0.00
1.900	-34.4	-5.9	-52.59	0.00	-39.54	0.00	-52.80	0.00	-39.70	0.00
1.949	-38.6	-13.2	-57.10	0.00	-42.93	0.00	-57.33	0.00	-43.10	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: 3S2

	Vc	Shear Resistance		Available Resistance for LL+I	
		Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	76.7	30.2	106.9	-117.0	96.8 (2-Lane)
1.400	81.4	30.2	111.6	-121.7	101.5 (1-Lane)
1.500	41.5	47.7	89.2	-89.2	89.2 (2-Lane)
1.500	43.8	47.7	91.5	-91.5	91.5 (1-Lane)
1.600	76.7	30.2	106.9	-96.8	117.0 (2-Lane)
1.600	81.4	30.2	111.6	-101.5	121.7 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: 3S2

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	257.99	3.41	0.00	136.3 (2-Lane)
1.051	256.96	3.39	0.00	135.8 (1-Lane)
1.100	105.91	3.52	0.00	140.6 (2-Lane)
1.100	105.48	3.50	0.00	140.0 (1-Lane)
1.200	31.69	3.35	0.00	134.1 (2-Lane)

1.200	31.56	3.34	0.00	133.6 (1-Lane)
1.300	19.69	4.81	0.00	192.3 (2-Lane)
1.300	19.62	4.79	0.00	191.6 (1-Lane)
1.400	8.14	3.63	0.00	145.2 (2-Lane)
1.400	8.43	3.79	0.00	151.5 (1-Lane)
1.500	4.66	4.66	0.00	186.2 (2-Lane)
1.500	4.76	4.76	0.00	190.4 (1-Lane)
1.600	3.63	8.14	0.00	145.2 (2-Lane)
1.600	3.79	8.43	0.00	151.5 (1-Lane)
1.700	4.81	19.69	0.00	192.3 (2-Lane)
1.700	4.79	19.62	0.00	191.6 (1-Lane)
1.800	3.35	31.69	0.00	134.1 (2-Lane)
1.800	3.34	31.56	0.00	133.6 (1-Lane)
1.900	3.62	106.12	0.00	144.7 (2-Lane)
1.900	3.60	105.70	0.00	144.1 (1-Lane)
1.949	2.77	258.27	0.00	110.6 (2-Lane)
1.949	2.75	257.24	0.00	110.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	154.62 R	0.00	116.26	0.00	133.78 R	0.00	100.59	0.00
1.200	313.0	53.5	254.72 R	0.00	191.52	0.00	220.39 R	0.00	165.71	0.00
1.300	410.8	70.2	333.42 R	0.00	250.69	0.00	288.49 R	0.00	216.91	0.00
1.400	469.5	80.2	369.11 R	0.00	277.53	0.00	319.38 R	0.00	240.13	0.00
1.500	489.0	83.6	362.29 R	0.00	272.40	0.00	313.47 R	0.00	235.69	0.00
1.600	469.5	80.2	369.11 R	0.00	277.53	0.00	319.38 R	0.00	240.13	0.00
1.700	410.8	70.2	333.42 R	0.00	250.69	0.00	288.49 R	0.00	216.91	0.00
1.800	313.0	53.5	254.72 R	0.00	191.52	0.00	220.39 R	0.00	165.71	0.00
1.900	176.1	30.1	154.62 R	0.00	116.26	0.00	133.78 R	0.00	100.59	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3315

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: 3S2

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S

Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
1.100	63.14	999.00	21.55	999.00	0.00	862.1	(2-Lane)
1.100	72.98	999.00	24.91	999.00	0.00	999.0	(1-Lane)
1.200	35.30	999.00	12.06	999.00	0.00	482.6	(2-Lane)
1.200	40.79	999.00	13.94	999.00	0.00	557.7	(1-Lane)
1.300	25.37	999.00	8.69	999.00	0.00	347.7	(2-Lane)
1.300	29.32	999.00	10.05	999.00	0.00	401.9	(1-Lane)
1.400	22.06	999.00	7.57	999.00	0.00	302.8	(2-Lane)
1.400	25.49	999.00	8.75	999.00	0.00	349.9	(1-Lane)
1.500	22.18	999.00	7.61	999.00	0.00	304.6	(2-Lane)
1.500	25.63	999.00	8.80	999.00	0.00	352.0	(1-Lane)
1.600	22.06	999.00	7.57	999.00	0.00	302.8	(2-Lane)
1.600	25.49	999.00	8.75	999.00	0.00	349.9	(1-Lane)
1.700	25.37	999.00	8.69	999.00	0.00	347.7	(2-Lane)
1.700	29.32	999.00	10.05	999.00	0.00	401.9	(1-Lane)
1.800	35.30	999.00	12.06	999.00	0.00	482.6	(2-Lane)
1.800	40.79	999.00	13.94	999.00	0.00	557.7	(1-Lane)
1.900	62.95	999.00	21.45	999.00	0.00	858.2	(2-Lane)
1.900	72.76	999.00	24.80	999.00	0.00	999.0	(1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	290.28 R	0.00	218.26	0.00	251.16 R	0.00	188.85	0.00
1.200	391.2	66.8	479.18 R	0.00	360.29	0.00	414.61 R	0.00	311.74	0.00
1.300	513.5	87.7	600.31 R	0.00	451.36	0.00	519.42 R	0.00	390.54	0.00
1.400	586.9	100.3	630.56 R	0.00	474.10	0.00	545.59 R	0.00	410.22	0.00
1.500	611.3	104.4	668.64 R	0.00	502.74	0.00	578.54 R	0.00	435.00	0.00
1.600	586.9	100.3	630.56 R	0.00	474.10	0.00	545.59 R	0.00	410.22	0.00
1.700	513.5	87.7	600.31 R	0.00	451.36	0.00	519.42 R	0.00	390.54	0.00
1.800	391.2	66.8	479.18 R	0.00	360.29	0.00	414.61 R	0.00	311.74	0.00
1.900	220.1	37.6	290.28 R	0.00	218.26	0.00	251.16 R	0.00	188.85	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3-3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.88	999.00	19.88	999.00	0.00	795.3 (2-Lane)
1.100	22.98	999.00	22.98	999.00	0.00	919.1 (1-Lane)
1.200	11.59	999.00	11.59	999.00	0.00	463.8 (2-Lane)
1.200	13.40	999.00	13.40	999.00	0.00	536.0 (1-Lane)
1.300	9.02	999.00	9.02	999.00	0.00	360.6 (2-Lane)
1.300	10.42	999.00	10.42	999.00	0.00	416.8 (1-Lane)
1.400	8.45	999.00	8.45	999.00	0.00	337.9 (2-Lane)
1.400	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.500	7.92	999.00	7.92	999.00	0.00	316.9 (2-Lane)
1.500	9.16	999.00	9.16	999.00	0.00	366.3 (1-Lane)
1.600	8.45	999.00	8.45	999.00	0.00	337.9 (2-Lane)
1.600	9.76	999.00	9.76	999.00	0.00	390.5 (1-Lane)
1.700	9.02	999.00	9.02	999.00	0.00	360.6 (2-Lane)
1.700	10.42	999.00	10.42	999.00	0.00	416.8 (1-Lane)
1.800	11.59	999.00	11.59	999.00	0.00	463.8 (2-Lane)
1.800	13.40	999.00	13.40	999.00	0.00	536.0 (1-Lane)
1.900	19.83	999.00	19.83	999.00	0.00	793.2 (2-Lane)
1.900	22.92	999.00	22.92	999.00	0.00	916.7 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	48.97	0.00	36.82	0.00
1.100	36.9	5.9	45.14	0.00	33.94	0.00
1.200	25.8	4.4	37.25	0.00	28.01	0.00
1.300	17.2	2.9	29.37	0.00	22.08	0.00
1.400	8.6	1.5	22.93	0.00	17.24	0.00
1.500	0.0	0.0	17.83	0.00	13.40	0.00
1.600	-8.6	-1.5	-22.93	0.00	-17.24	0.00
1.700	-17.2	-2.9	-29.37	0.00	-22.08	0.00
1.800	-25.8	-4.4	-37.25	0.00	-28.01	0.00
1.900	-34.4	-5.9	-45.14	0.00	-33.94	0.00
1.949	-38.6	-13.2	-48.97	0.00	-36.82	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: 3-3

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	77.7	30.2	108.0	-118.0	97.9 (2-Lane)
1.400	81.9	30.2	112.1	-122.2	102.1 (1-Lane)
1.500	41.9	47.7	89.6	-89.6	89.6 (2-Lane)
1.500	44.1	47.7	91.7	-91.7	91.7 (1-Lane)
1.600	77.7	30.2	108.0	-97.9	118.0 (2-Lane)
1.600	81.9	30.2	112.1	-102.1	122.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	313.28	3.17	0.00	126.7 (2-Lane)
1.051	312.02	3.16	0.00	126.2 (1-Lane)
1.100	128.60	4.10	0.00	163.8 (2-Lane)
1.100	128.09	4.08	0.00	163.2 (1-Lane)
1.200	38.48	3.90	0.00	156.0 (2-Lane)
1.200	38.33	3.88	0.00	155.4 (1-Lane)
1.300	23.92	5.62	0.00	224.9 (2-Lane)
1.300	23.82	5.60	0.00	224.0 (1-Lane)
1.400	9.28	4.27	0.00	170.8 (2-Lane)
1.400	9.57	4.43	0.00	177.3 (1-Lane)
1.500	5.03	5.03	0.00	201.0 (2-Lane)
1.500	5.13	5.13	0.00	205.1 (1-Lane)
1.600	4.27	9.28	0.00	170.8 (2-Lane)
1.600	4.43	9.57	0.00	177.4 (1-Lane)
1.700	5.62	23.92	0.00	224.9 (2-Lane)
1.700	5.60	23.82	0.00	224.0 (1-Lane)
1.800	3.90	38.48	0.00	156.0 (2-Lane)
1.800	3.88	38.33	0.00	155.4 (1-Lane)
1.900	4.22	128.87	0.00	168.6 (2-Lane)
1.900	4.20	128.35	0.00	167.9 (1-Lane)
1.949	3.22	313.62	0.00	129.0 (2-Lane)
1.949	3.21	312.36	0.00	128.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3323

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	132.70 R	0.00	99.77	0.00	114.82 R	0.00	86.33	0.00
1.200	313.0	53.5	219.05 R	0.00	164.70	0.00	189.54 R	0.00	142.51	0.00
1.300	410.8	70.2	274.43 R	0.00	206.34	0.00	237.45 R	0.00	178.53	0.00
1.400	469.5	80.2	288.25 R	0.00	216.73	0.00	249.41 R	0.00	187.53	0.00
1.500	489.0	83.6	305.67 R	0.00	229.82	0.00	264.48 R	0.00	198.85	0.00
1.600	469.5	80.2	288.25 R	0.00	216.73	0.00	249.41 R	0.00	187.53	0.00
1.700	410.8	70.2	274.43 R	0.00	206.34	0.00	237.45 R	0.00	178.53	0.00
1.800	313.0	53.5	219.05 R	0.00	164.70	0.00	189.54 R	0.00	142.51	0.00
1.900	176.1	30.1	132.70 R	0.00	99.77	0.00	114.82 R	0.00	86.33	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV
Rating Live Load: STRESSES

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S
Rating Live Load: 3-3

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	73.57	999.00	25.11	999.00	0.00	999.0 (2-Lane)
1.100	85.03	999.00	29.02	999.00	0.00	999.0 (1-Lane)
1.200	41.04	999.00	14.03	999.00	0.00	561.1 (2-Lane)
1.200	47.43	999.00	16.21	999.00	0.00	648.5 (1-Lane)
1.300	30.83	999.00	10.56	999.00	0.00	422.5 (2-Lane)
1.300	35.63	999.00	12.21	999.00	0.00	488.3 (1-Lane)
1.400	28.24	999.00	9.69	999.00	0.00	387.7 (2-Lane)
1.400	32.64	999.00	11.20	999.00	0.00	448.1 (1-Lane)
1.500	26.29	999.00	9.03	999.00	0.00	361.0 (2-Lane)
1.500	30.38	999.00	10.43	999.00	0.00	417.3 (1-Lane)
1.600	28.24	999.00	9.69	999.00	0.00	387.7 (2-Lane)
1.600	32.64	999.00	11.20	999.00	0.00	448.1 (1-Lane)
1.700	30.83	999.00	10.56	999.00	0.00	422.5 (2-Lane)
1.700	35.63	999.00	12.21	999.00	0.00	488.3 (1-Lane)
1.800	41.04	999.00	14.03	999.00	0.00	561.1 (2-Lane)
1.800	47.43	999.00	16.21	999.00	0.00	648.5 (1-Lane)
1.900	73.35	999.00	25.00	999.00	0.00	999.0 (2-Lane)
1.900	84.78	999.00	28.89	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	316.60 R	0.00	238.04	0.00	273.94 R	0.00	205.97	0.00
1.200	391.2	66.8	552.69 R	0.00	415.56	0.00	478.22 R	0.00	359.56	0.00
1.300	513.5	87.7	708.28 R	0.00	532.54	0.00	612.84 R	0.00	460.78	0.00
1.400	586.9	100.3	807.51 R	0.00	607.15	0.00	698.70 R	0.00	525.34	0.00
1.500	611.3	104.4	830.43 R	0.00	624.39	0.00	718.53 R	0.00	540.25	0.00
1.600	586.9	100.3	807.51 R	0.00	607.15	0.00	698.70 R	0.00	525.34	0.00
1.700	513.5	87.7	708.28 R	0.00	532.54	0.00	612.84 R	0.00	460.78	0.00
1.800	391.2	66.8	552.69 R	0.00	415.56	0.00	478.22 R	0.00	359.56	0.00
1.900	220.1	37.6	316.60 R	0.00	238.04	0.00	273.94 R	0.00	205.97	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU4

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	0.0	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	-105.2	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	-242.3	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	-458.1	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	-601.2	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	-687.1	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	-715.8	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	-687.1	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	-601.2	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	-458.1	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	-257.7	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	-113.1	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	0.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU4

Moment					Rating Value	Load Resistance (tons)
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	18.23	999.00	18.23	999.00	0.00	492.2 (2-Lane)
1.100	21.07	999.00	21.07	999.00	0.00	568.8 (1-Lane)
1.200	10.05	999.00	10.05	999.00	0.00	271.4 (2-Lane)
1.200	11.62	999.00	11.62	999.00	0.00	313.7 (1-Lane)
1.300	7.64	999.00	7.64	999.00	0.00	206.3 (2-Lane)
1.300	8.83	999.00	8.83	999.00	0.00	238.5 (1-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	178.1 (2-Lane)
1.400	7.62	999.00	7.62	999.00	0.00	205.8 (1-Lane)
1.500	6.38	999.00	6.38	999.00	0.00	172.3 (2-Lane)
1.500	7.37	999.00	7.37	999.00	0.00	199.1 (1-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	178.1 (2-Lane)
1.600	7.62	999.00	7.62	999.00	0.00	205.8 (1-Lane)
1.700	7.64	999.00	7.64	999.00	0.00	206.3 (2-Lane)
1.700	8.83	999.00	8.83	999.00	0.00	238.5 (1-Lane)
1.800	10.05	999.00	10.05	999.00	0.00	271.4 (2-Lane)
1.800	11.62	999.00	11.62	999.00	0.00	313.7 (1-Lane)
1.900	18.18	999.00	18.18	999.00	0.00	490.9 (2-Lane)
1.900	21.01	999.00	21.01	999.00	0.00	567.3 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3328

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	52.27	0.00	39.30	0.00	52.48	0.00	39.46	0.00
1.100	36.9	5.9	49.23	0.00	37.01	0.00	49.43	0.00	37.16	0.00
1.200	25.8	4.4	42.97	0.00	32.31	0.00	43.14	0.00	32.44	0.00
1.300	17.2	2.9	36.71	0.00	27.60	0.00	36.86	0.00	27.71	0.00
1.400	8.6	1.5	30.45	0.00	22.90	0.00	30.57	0.00	22.99	0.00
1.500	0.0	0.0	24.19	0.00	18.19	0.00	24.29	0.00	18.26	0.00
1.600	-8.6	-1.5	-30.45	0.00	-22.90	0.00	-30.57	0.00	-22.99	0.00
1.700	-17.2	-2.9	-36.71	0.00	-27.60	0.00	-36.86	0.00	-27.71	0.00
1.800	-25.8	-4.4	-42.97	0.00	-32.31	0.00	-43.14	0.00	-32.44	0.00
1.900	-34.4	-5.9	-49.23	0.00	-37.01	0.00	-49.43	0.00	-37.16	0.00
1.949	-38.6	-13.2	-52.27	0.00	-39.30	0.00	-52.48	0.00	-39.46	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	82.5	30.2	112.8	-122.8	102.7 (2-Lane)
1.400	87.7	30.2	117.9	-128.0	107.8 (1-Lane)
1.500	48.2	47.7	95.9	-95.9	95.9 (2-Lane)
1.500	51.2	47.7	98.9	-98.9	98.9 (1-Lane)
1.600	82.5	30.2	112.8	-102.7	122.8 (2-Lane)
1.600	87.7	30.2	117.9	-107.8	128.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	257.99	2.97	0.00	80.1 (2-Lane)
1.051	256.96	2.96	0.00	79.8 (1-Lane)
1.100	105.91	3.76	0.00	101.4 (2-Lane)
1.100	105.48	3.74	0.00	101.0 (1-Lane)
1.200	29.22	3.38	0.00	91.3 (2-Lane)
1.200	29.10	3.37	0.00	90.9 (1-Lane)
1.300	17.25	4.50	0.00	121.5 (2-Lane)
1.300	17.19	4.48	0.00	121.0 (1-Lane)
1.400	6.85	3.37	0.00	91.0 (2-Lane)
1.400	7.11	3.53	0.00	95.2 (1-Lane)

1.500	3.96	3.96	0.00	107.0 (2-Lane)
1.500	4.07	4.07	0.00	109.9 (1-Lane)
1.600	3.37	6.85	0.00	91.0 (2-Lane)
1.600	3.53	7.11	0.00	95.2 (1-Lane)
1.700	4.50	17.25	0.00	121.5 (2-Lane)
1.700	4.48	17.19	0.00	121.0 (1-Lane)
1.800	3.38	29.22	0.00	91.3 (2-Lane)
1.800	3.37	29.10	0.00	90.9 (1-Lane)
1.900	3.87	106.12	0.00	104.3 (2-Lane)
1.900	3.85	105.70	0.00	103.9 (1-Lane)
1.949	3.02	258.27	0.00	81.6 (2-Lane)
1.949	3.01	257.24	0.00	81.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	144.73 R	0.00	108.82	0.00	125.23 R	0.00	94.16	0.00
1.200	313.0	53.5	252.66 R	0.00	189.97	0.00	218.61 R	0.00	164.37	0.00
1.300	410.8	70.2	323.78 R	0.00	243.45	0.00	280.15 R	0.00	210.64	0.00
1.400	469.5	80.2	369.15 R	0.00	277.55	0.00	319.40 R	0.00	240.15	0.00
1.500	489.0	83.6	379.63 R	0.00	285.43	0.00	328.47 R	0.00	246.97	0.00
1.600	469.5	80.2	369.15 R	0.00	277.55	0.00	319.40 R	0.00	240.15	0.00
1.700	410.8	70.2	323.78 R	0.00	243.45	0.00	280.15 R	0.00	210.64	0.00
1.800	313.0	53.5	252.66 R	0.00	189.97	0.00	218.61 R	0.00	164.37	0.00
1.900	176.1	30.1	144.73 R	0.00	108.82	0.00	125.23 R	0.00	94.16	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3331

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU4

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S

Rating Live Load: SU4

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

1.000	999.00	999.00	999.00	999.00	9999999_20120831cy17_FlexuralRpt.txt
					0.00 999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
1.100	67.46	999.00	23.02	999.00	0.00 621.7 (2-Lane)
1.100	77.96	999.00	26.61	999.00	0.00 718.5 (1-Lane)
1.200	35.58	999.00	12.16	999.00	0.00 328.4 (2-Lane)
1.200	41.12	999.00	14.06	999.00	0.00 379.5 (1-Lane)
1.300	26.13	999.00	8.95	999.00	0.00 241.7 (2-Lane)
1.300	30.20	999.00	10.35	999.00	0.00 279.3 (1-Lane)
1.400	22.05	999.00	7.57	999.00	0.00 204.3 (2-Lane)
1.400	25.49	999.00	8.75	999.00	0.00 236.2 (1-Lane)
1.500	21.17	999.00	7.27	999.00	0.00 196.2 (2-Lane)
1.500	24.46	999.00	8.40	999.00	0.00 226.8 (1-Lane)
1.600	22.05	999.00	7.57	999.00	0.00 204.3 (2-Lane)
1.600	25.49	999.00	8.75	999.00	0.00 236.2 (1-Lane)
1.700	26.13	999.00	8.95	999.00	0.00 241.7 (2-Lane)
1.700	30.20	999.00	10.35	999.00	0.00 279.3 (1-Lane)
1.800	35.58	999.00	12.16	999.00	0.00 328.4 (2-Lane)
1.800	41.12	999.00	14.06	999.00	0.00 379.5 (1-Lane)
1.900	67.25	999.00	22.92	999.00	0.00 618.8 (2-Lane)
1.900	77.73	999.00	26.49	999.00	0.00 715.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	351.37 R	0.00	264.19	0.00	304.02 R	0.00	228.59	0.00
1.200	391.2	66.8	610.30 R	0.00	458.87	0.00	528.06 R	0.00	397.04	0.00
1.300	513.5	87.7	785.20 R	0.00	590.38	0.00	679.40 R	0.00	510.82	0.00
1.400	586.9	100.3	891.82 R	0.00	670.54	0.00	771.65 R	0.00	580.19	0.00
1.500	611.3	104.4	906.01 R	0.00	681.21	0.00	783.92 R	0.00	589.42	0.00
1.600	586.9	100.3	891.82 R	0.00	670.54	0.00	771.65 R	0.00	580.19	0.00
1.700	513.5	87.7	785.20 R	0.00	590.38	0.00	679.40 R	0.00	510.82	0.00
1.800	391.2	66.8	610.30 R	0.00	458.87	0.00	528.06 R	0.00	397.04	0.00
1.900	220.1	37.6	351.37 R	0.00	264.19	0.00	304.02 R	0.00	228.59	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU5

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
 Rating Live Load: SU5

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.43	999.00	16.43	999.00	0.00	509.2 (2-Lane)
1.100	18.98	999.00	18.98	999.00	0.00	588.5 (1-Lane)
1.200	9.10	999.00	9.10	999.00	0.00	282.2 (2-Lane)
1.200	10.52	999.00	10.52	999.00	0.00	326.1 (1-Lane)
1.300	6.89	999.00	6.89	999.00	0.00	213.7 (2-Lane)
1.300	7.97	999.00	7.97	999.00	0.00	247.0 (1-Lane)
1.400	5.97	999.00	5.97	999.00	0.00	185.2 (2-Lane)
1.400	6.90	999.00	6.90	999.00	0.00	214.0 (1-Lane)
1.500	5.85	999.00	5.85	999.00	0.00	181.3 (2-Lane)
1.500	6.76	999.00	6.76	999.00	0.00	209.5 (1-Lane)
1.600	5.97	999.00	5.97	999.00	0.00	185.2 (2-Lane)
1.600	6.90	999.00	6.90	999.00	0.00	214.0 (1-Lane)
1.700	6.89	999.00	6.89	999.00	0.00	213.7 (2-Lane)
1.700	7.97	999.00	7.97	999.00	0.00	247.0 (1-Lane)
1.800	9.10	999.00	9.10	999.00	0.00	282.2 (2-Lane)
1.800	10.52	999.00	10.52	999.00	0.00	326.1 (1-Lane)
1.900	16.38	999.00	16.38	999.00	0.00	507.8 (2-Lane)
1.900	18.93	999.00	18.93	999.00	0.00	586.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3336

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
 Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	58.13	0.00	43.71	0.00	58.36	0.00
1.100	36.9	5.9	54.63	0.00	41.08	0.00	54.85	0.00
1.200	25.8	4.4	47.45	0.00	35.68	0.00	47.64	0.00
1.300	17.2	2.9	40.26	0.00	30.27	0.00	40.42	0.00
1.400	8.6	1.5	33.08	0.00	24.87	0.00	33.21	0.00
1.500	0.0	0.0	25.89	0.00	19.47	0.00	25.99	0.00
1.600	-8.6	-1.5	-33.08	0.00	-24.87	0.00	-33.21	0.00
1.700	-17.2	-2.9	-40.26	0.00	-30.27	0.00	-40.42	0.00
1.800	-25.8	-4.4	-47.45	0.00	-35.68	0.00	-47.64	0.00
1.900	-34.4	-5.9	-54.63	0.00	-41.08	0.00	-54.85	0.00
1.949	-38.6	-13.2	-58.13	0.00	-43.71	0.00	-58.36	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
 Rating Live Load: SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)

1.400	83.0	30.2	113.3	-123.3	103.2 (2-Lane)
1.400	88.5	30.2	118.7	-128.8	108.6 (1-Lane)
1.500	49.0	47.7	96.6	-96.6	96.6 (2-Lane)
1.500	52.1	47.7	99.8	-99.8	99.8 (1-Lane)
1.600	83.0	30.2	113.3	-103.2	123.3 (2-Lane)
1.600	88.5	30.2	118.7	-108.6	128.8 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: SU5

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	257.99	2.67	0.00	82.7 (2-Lane)
1.051	256.96	2.66	0.00	82.4 (1-Lane)
1.100	105.91	3.38	0.00	104.9 (2-Lane)
1.100	105.48	3.37	0.00	104.5 (1-Lane)
1.200	29.22	3.06	0.00	94.9 (2-Lane)
1.200	29.10	3.05	0.00	94.5 (1-Lane)
1.300	16.14	4.10	0.00	127.2 (2-Lane)
1.300	16.08	4.09	0.00	126.7 (1-Lane)
1.400	6.59	3.12	0.00	96.7 (2-Lane)
1.400	6.86	3.27	0.00	101.4 (1-Lane)
1.500	3.73	3.73	0.00	115.7 (2-Lane)
1.500	3.84	3.84	0.00	119.0 (1-Lane)
1.600	3.12	6.59	0.00	96.7 (2-Lane)
1.600	3.27	6.86	0.00	101.4 (1-Lane)
1.700	4.10	16.14	0.00	127.2 (2-Lane)
1.700	4.09	16.08	0.00	126.7 (1-Lane)
1.800	3.06	29.22	0.00	94.9 (2-Lane)
1.800	3.05	29.10	0.00	94.5 (1-Lane)
1.900	3.48	106.12	0.00	108.0 (2-Lane)
1.900	3.47	105.70	0.00	107.5 (1-Lane)
1.949	2.72	258.27	0.00	84.2 (2-Lane)
1.949	2.71	257.24	0.00	83.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3339

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	160.63 R	0.00	120.77	0.00	138.98 R	0.00	104.50	0.00
1.200	313.0	53.5	278.99 R	0.00	209.77	0.00	241.40 R	0.00	181.50	0.00
1.300	410.8	70.2	358.95 R	0.00	269.89	0.00	310.58 R	0.00	233.52	0.00
1.400	469.5	80.2	407.69 R	0.00	306.53	0.00	352.75 R	0.00	265.23	0.00
1.500	489.0	83.6	414.18 R	0.00	311.41	0.00	358.37 R	0.00	269.45	0.00
1.600	469.5	80.2	407.69 R	0.00	306.53	0.00	352.75 R	0.00	265.23	0.00
1.700	410.8	70.2	358.95 R	0.00	269.89	0.00	310.58 R	0.00	233.52	0.00
1.800	313.0	53.5	278.99 R	0.00	209.77	0.00	241.40 R	0.00	181.50	0.00
1.900	176.1	30.1	160.63 R	0.00	120.77	0.00	138.98 R	0.00	104.50	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3339

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV
Rating Live Load: STRESSESRating Type: SU5
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S
Rating Live Load: SU5

Service

Span	Rating Factor		Rating Value		Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	60.78	999.00	20.75	999.00	643.1 (2-Lane)
1.100	70.25	999.00	23.98	999.00	743.3 (1-Lane)
1.200	32.22	999.00	11.01	999.00	341.4 (2-Lane)
1.200	37.24	999.00	12.73	999.00	394.6 (1-Lane)
1.300	23.57	999.00	8.07	999.00	250.3 (2-Lane)
1.300	27.24	999.00	9.33	999.00	289.3 (1-Lane)
1.400	19.97	999.00	6.85	999.00	212.4 (2-Lane)
1.400	23.08	999.00	7.92	999.00	245.5 (1-Lane)
1.500	19.40	999.00	6.66	999.00	206.5 (2-Lane)
1.500	22.42	999.00	7.70	999.00	238.7 (1-Lane)
1.600	19.97	999.00	6.85	999.00	212.4 (2-Lane)
1.600	23.08	999.00	7.92	999.00	245.5 (1-Lane)
1.700	23.57	999.00	8.07	999.00	250.3 (2-Lane)
1.700	27.24	999.00	9.33	999.00	289.3 (1-Lane)
1.800	32.22	999.00	11.01	999.00	341.4 (2-Lane)
1.800	37.24	999.00	12.73	999.00	394.6 (1-Lane)
1.900	60.60	999.00	20.65	999.00	640.2 (2-Lane)
1.900	70.04	999.00	23.87	999.00	739.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3341

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU6

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.75	1.75	1.75	1.75
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	204.7	37.6	370.84 R	0.00	278.82	0.00	320.87 R	0.00

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1.200	391.2	66.8	669.04 R	0.00	503.03	0.00	578.88 R	0.00	435.25
1.300	513.5	87.7	869.13 R	0.00	653.48	0.00	752.02 R	0.00	565.43
1.400	586.9	100.3	980.32 R	0.00	737.08	0.00	848.22 R	0.00	637.76
1.500	611.3	104.4	1009.68 R	0.00	759.16	0.00	873.62 R	0.00	656.86
1.600	586.9	100.3	980.32 R	0.00	737.08	0.00	848.22 R	0.00	637.76
1.700	513.5	87.7	869.13 R	0.00	653.48	0.00	752.02 R	0.00	565.43
1.800	391.2	66.8	669.04 R	0.00	503.03	0.00	578.88 R	0.00	435.25
1.900	220.1	37.6	370.84 R	0.00	278.82	0.00	320.86 R	0.00	241.25
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3342

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.56	999.00	15.56	999.00	0.00	540.8 (2-Lane)
1.100	17.99	999.00	17.99	999.00	0.00	625.1 (1-Lane)
1.200	8.30	999.00	8.30	999.00	0.00	288.6 (2-Lane)
1.200	9.60	999.00	9.60	999.00	0.00	333.5 (1-Lane)
1.300	6.23	999.00	6.23	999.00	0.00	216.4 (2-Lane)
1.300	7.20	999.00	7.20	999.00	0.00	250.1 (1-Lane)
1.400	5.43	999.00	5.43	999.00	0.00	188.8 (2-Lane)
1.400	6.28	999.00	6.28	999.00	0.00	218.2 (1-Lane)
1.500	5.25	999.00	5.25	999.00	0.00	182.3 (2-Lane)
1.500	6.06	999.00	6.06	999.00	0.00	210.7 (1-Lane)
1.600	5.43	999.00	5.43	999.00	0.00	188.8 (2-Lane)
1.600	6.28	999.00	6.28	999.00	0.00	218.2 (1-Lane)
1.700	6.23	999.00	6.23	999.00	0.00	216.4 (2-Lane)
1.700	7.20	999.00	7.20	999.00	0.00	250.1 (1-Lane)
1.800	8.30	999.00	8.30	999.00	0.00	288.6 (2-Lane)
1.800	9.60	999.00	9.60	999.00	0.00	333.5 (1-Lane)
1.900	15.52	999.00	15.52	999.00	0.00	539.4 (2-Lane)
1.900	17.94	999.00	17.94	999.00	0.00	623.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3344

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type:		I-INV									
Rating Live Load:		SU6									
Gamma	DC	DW	(2-Lane)				(1-Lane)				
	1.25	1.25	LL				LL				
			1.75				1.75				
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.051	39.9	6.6	61.58	0.00	46.30	0.00	61.82	0.00	46.48	0.00	
1.100	36.9	5.9	57.66	0.00	43.35	0.00	57.89	0.00	43.53	0.00	
1.200	25.8	4.4	49.61	0.00	37.30	0.00	49.81	0.00	37.45	0.00	
1.300	17.2	2.9	41.55	0.00	31.24	0.00	41.72	0.00	31.37	0.00	
1.400	8.6	1.5	33.49	0.00	25.18	0.00	33.63	0.00	25.29	0.00	
1.500	0.0	0.0	25.44	0.00	19.13	0.00	25.54	0.00	19.20	0.00	
1.600	-8.6	-1.5	-33.49	0.00	-25.18	0.00	-33.63	0.00	-25.29	0.00	
1.700	-17.2	-2.9	-41.55	0.00	-31.24	0.00	-41.72	0.00	-31.37	0.00	
1.800	-25.8	-4.4	-49.61	0.00	-37.30	0.00	-49.81	0.00	-37.45	0.00	
1.900	-34.4	-5.9	-57.66	0.00	-43.35	0.00	-57.89	0.00	-43.53	0.00	
1.949	-38.6	-13.2	-61.58	0.00	-46.30	0.00	-61.82	0.00	-46.48	0.00	
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU6

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	80.3	30.2	110.5	-120.6	100.4 (2-Lane)
1.400	85.7	30.2	115.9	-126.0	105.8 (1-Lane)
1.500	46.2	47.7	93.8	-93.8	93.8 (2-Lane)
1.500	49.2	47.7	96.9	-96.9	96.9 (1-Lane)
1.600	80.3	30.2	110.5	-100.4	120.6 (2-Lane)
1.600	85.7	30.2	115.9	-105.8	126.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU6

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	381.38	2.52	0.00	87.6 (2-Lane)
1.051	379.86	2.51	0.00	87.2 (1-Lane)
1.100	179.09	3.21	0.00	111.4 (2-Lane)
1.100	178.37	3.19	0.00	111.0 (1-Lane)
1.200	36.93	2.93	0.00	101.8 (2-Lane)
1.200	36.78	2.92	0.00	101.4 (1-Lane)
1.300	17.98	3.97	0.00	138.1 (2-Lane)
1.300	17.91	3.96	0.00	137.6 (1-Lane)
1.400	6.64	3.00	0.00	104.2 (2-Lane)
1.400	6.91	3.15	0.00	109.3 (1-Lane)
1.500	3.69	3.69	0.00	128.2 (2-Lane)
1.500	3.79	3.79	0.00	131.8 (1-Lane)
1.600	3.00	6.64	0.00	104.2 (2-Lane)
1.600	3.15	6.91	0.00	109.3 (1-Lane)
1.700	3.97	17.98	0.00	138.1 (2-Lane)
1.700	3.96	17.91	0.00	137.6 (1-Lane)

1.800	2.93	36.93	0.00	101.8 (2-Lane)
1.800	2.92	36.78	0.00	101.4 (1-Lane)
1.900	3.30	179.45	0.00	114.7 (2-Lane)
1.900	3.29	178.74	0.00	114.2 (1-Lane)
1.949	2.56	381.80	0.00	89.1 (2-Lane)
1.949	2.55	380.27	0.00	88.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3347

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: SU6

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	169.53 R	0.00	127.46	0.00	146.68 R	0.00	110.29	0.00
1.200	313.0	53.5	305.85 R	0.00	229.96	0.00	264.63 R	0.00	198.97	0.00
1.300	410.8	70.2	397.32 R	0.00	298.74	0.00	343.78 R	0.00	258.48	0.00
1.400	469.5	80.2	448.15 R	0.00	336.95	0.00	387.76 R	0.00	291.55	0.00
1.500	489.0	83.6	461.57 R	0.00	347.04	0.00	399.37 R	0.00	300.28	0.00
1.600	469.5	80.2	448.15 R	0.00	336.95	0.00	387.76 R	0.00	291.55	0.00
1.700	410.8	70.2	397.32 R	0.00	298.74	0.00	343.78 R	0.00	258.48	0.00
1.800	313.0	53.5	305.85 R	0.00	229.96	0.00	264.63 R	0.00	198.97	0.00
1.900	176.1	30.1	169.52 R	0.00	127.46	0.00	146.68 R	0.00	110.29	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3347

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type: SU6

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3348

SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S

Rating Live Load: SU6

Service

Span	Rating top fiber +bend	Factor bottom fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	0.00	999.0 (1-Lane)
1.100	57.59	19.66	0.00	683.1 (2-Lane)
1.100	66.56	22.72	0.00	789.5 (1-Lane)

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1.200	29.40	999.00	10.05	999.00	0.00	349.1 (2-Lane)
1.200	33.97	999.00	11.61	999.00	0.00	403.5 (1-Lane)
1.300	21.29	999.00	7.30	999.00	0.00	253.5 (2-Lane)
1.300	24.61	999.00	8.43	999.00	0.00	293.0 (1-Lane)
1.400	18.17	999.00	6.23	999.00	0.00	216.6 (2-Lane)
1.400	21.00	999.00	7.20	999.00	0.00	250.4 (1-Lane)
1.500	17.41	999.00	5.98	999.00	0.00	207.7 (2-Lane)
1.500	20.12	999.00	6.91	999.00	0.00	240.1 (1-Lane)
1.600	18.17	999.00	6.23	999.00	0.00	216.6 (2-Lane)
1.600	21.00	999.00	7.20	999.00	0.00	250.4 (1-Lane)
1.700	21.29	999.00	7.30	999.00	0.00	253.5 (2-Lane)
1.700	24.61	999.00	8.43	999.00	0.00	293.0 (1-Lane)
1.800	29.40	999.00	10.05	999.00	0.00	349.1 (2-Lane)
1.800	33.97	999.00	11.61	999.00	0.00	403.5 (1-Lane)
1.900	57.42	999.00	19.57	999.00	0.00	680.0 (2-Lane)
1.900	66.36	999.00	22.62	999.00	0.00	785.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3349

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.75	LL 1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	388.01 R	0.00	291.74	0.00	335.73 R	0.00	252.43	0.00
1.200	391.2	66.8	699.87 R	0.00	526.22	0.00	605.56 R	0.00	455.31	0.00
1.300	513.5	87.7	935.56 R	0.00	703.43	0.00	809.49 R	0.00	608.64	0.00
1.400	586.9	100.3	1058.33 R	0.00	795.74	0.00	915.72 R	0.00	688.51	0.00
1.500	611.3	104.4	1095.76 R	0.00	823.88	0.00	948.10 R	0.00	712.86	0.00
1.600	586.9	100.3	1058.33 R	0.00	795.74	0.00	915.72 R	0.00	688.51	0.00
1.700	513.5	87.7	935.56 R	0.00	703.43	0.00	809.49 R	0.00	608.64	0.00
1.800	391.2	66.8	699.87 R	0.00	526.22	0.00	605.56 R	0.00	455.31	0.00
1.900	220.1	37.6	388.01 R	0.00	291.74	0.00	335.73 R	0.00	252.43	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3351

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU7

Moment

Span	Rating top +bend	Factor fiber -bend	bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	14.87	999.00	14.87	999.00	0.00	576.4 (2-Lane)
1.100	17.19	999.00	17.19	999.00	0.00	666.1 (1-Lane)
1.200	7.94	999.00	7.94	999.00	0.00	307.6 (2-Lane)
1.200	9.17	999.00	9.17	999.00	0.00	355.5 (1-Lane)
1.300	5.78	999.00	5.78	999.00	0.00	224.2 (2-Lane)
1.300	6.69	999.00	6.69	999.00	0.00	259.1 (1-Lane)
1.400	5.03	999.00	5.03	999.00	0.00	195.0 (2-Lane)
1.400	5.82	999.00	5.82	999.00	0.00	225.4 (1-Lane)
1.500	4.84	999.00	4.84	999.00	0.00	187.4 (2-Lane)
1.500	5.59	999.00	5.59	999.00	0.00	216.5 (1-Lane)
1.600	5.03	999.00	5.03	999.00	0.00	195.0 (2-Lane)
1.600	5.82	999.00	5.82	999.00	0.00	225.4 (1-Lane)
1.700	5.78	999.00	5.78	999.00	0.00	224.2 (2-Lane)
1.700	6.69	999.00	6.69	999.00	0.00	259.1 (1-Lane)
1.800	7.94	999.00	7.94	999.00	0.00	307.6 (2-Lane)
1.800	9.17	999.00	9.17	999.00	0.00	355.5 (1-Lane)
1.900	14.84	999.00	14.84	999.00	0.00	574.8 (2-Lane)
1.900	17.15	999.00	17.15	999.00	0.00	664.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3352

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.75	1.75

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	64.70	0.00	48.65	0.00	64.96	0.00	48.84
1.100	36.9	5.9	60.33	0.00	45.36	0.00	60.58	0.00	45.55
1.200	25.8	4.4	51.35	0.00	38.61	0.00	51.56	0.00	38.76
1.300	17.2	2.9	42.37	0.00	31.85	0.00	42.54	0.00	31.98
1.400	8.6	1.5	33.38	0.00	25.10	0.00	33.52	0.00	25.20
1.500	0.0	0.0	24.78	0.00	18.63	0.00	24.88	0.00	18.71
1.600	-8.6	-1.5	-33.38	0.00	-25.10	0.00	-33.52	0.00	-25.20
1.700	-17.2	-2.9	-42.37	0.00	-31.85	0.00	-42.54	0.00	-31.98
1.800	-25.8	-4.4	-51.35	0.00	-38.61	0.00	-51.56	0.00	-38.76
1.900	-34.4	-5.9	-60.33	0.00	-45.36	0.00	-60.58	0.00	-45.55
1.949	-38.6	-13.2	-64.70	0.00	-48.65	0.00	-64.96	0.00	-48.84
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3353

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV
Rating Live Load: SU7

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	77.4	30.2	107.6	-117.7	97.5 (2-Lane)
1.400	82.7	30.2	112.9	-123.0	102.9 (1-Lane)
1.500	43.7	47.7	91.4	-91.4	91.4 (2-Lane)
1.500	46.7	47.7	94.3	-94.3	94.3 (1-Lane)
1.600	77.4	30.2	107.6	-97.5	117.7 (2-Lane)
1.600	82.7	30.2	113.0	-102.9	123.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)

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1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-INV

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	381.38	2.40	0.00	92.9 (2-Lane)
1.051	379.86	2.39	0.00	92.5 (1-Lane)
1.100	202.84	3.06	0.00	118.7 (2-Lane)
1.100	202.02	3.05	0.00	118.3 (1-Lane)
1.200	48.75	2.83	0.00	109.6 (2-Lane)
1.200	48.56	2.82	0.00	109.2 (1-Lane)
1.300	20.63	3.90	0.00	151.1 (2-Lane)
1.300	20.55	3.88	0.00	150.5 (1-Lane)
1.400	6.87	2.92	0.00	113.2 (2-Lane)
1.400	7.15	3.07	0.00	118.9 (1-Lane)
1.500	3.69	3.69	0.00	142.9 (2-Lane)
1.500	3.79	3.79	0.00	146.9 (1-Lane)
1.600	2.92	6.87	0.00	113.2 (2-Lane)
1.600	3.07	7.15	0.00	118.9 (1-Lane)
1.700	3.90	20.63	0.00	151.1 (2-Lane)
1.700	3.88	20.55	0.00	150.5 (1-Lane)
1.800	2.83	48.75	0.00	109.6 (2-Lane)
1.800	2.82	48.56	0.00	109.2 (1-Lane)
1.900	3.15	203.25	0.00	122.2 (2-Lane)
1.900	3.14	202.44	0.00	121.7 (1-Lane)
1.949	2.44	381.80	0.00	94.6 (2-Lane)
1.949	2.43	380.27	0.00	94.2 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3355

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-IN

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL 0.80	(1-Lane) LL 0.80
	1.00	1.00		

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	84.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	163.7	30.1	177.38 R	0.00	133.37	0.00	153.48 R	0.00	115.40	0.00
1.200	313.0	53.5	319.94 R	0.00	240.56	0.00	276.83 R	0.00	208.14	0.00
1.300	410.8	70.2	427.68 R	0.00	321.57	0.00	370.05 R	0.00	278.24	0.00
1.400	469.5	80.2	483.81 R	0.00	363.77	0.00	418.62 R	0.00	314.75	0.00
1.500	489.0	83.6	500.92 R	0.00	376.63	0.00	433.42 R	0.00	325.88	0.00
1.600	469.5	80.2	483.81 R	0.00	363.77	0.00	418.61 R	0.00	314.75	0.00
1.700	410.8	70.2	427.68 R	0.00	321.57	0.00	370.05 R	0.00	278.24	0.00
1.800	313.0	53.5	319.94 R	0.00	240.56	0.00	276.83 R	0.00	208.14	0.00
1.900	176.1	30.1	177.38 R	0.00	133.37	0.00	153.48 R	0.00	115.40	0.00
1.949	90.5	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3355

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV

Rating Live Load: STRESSES

Rating Type:	SU7							
Rating Live Load:								
Span	Service Resistance				Available Resistance for LL+I			
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-INV S

Rating Live Load: SU7

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	55.04	999.00	18.79	999.00	0.00	728.0 (2-Lane)
1.100	63.61	999.00	21.71	999.00	0.00	841.4 (1-Lane)
1.200	28.10	999.00	9.60	999.00	0.00	372.2 (2-Lane)
1.200	32.48	999.00	11.10	999.00	0.00	430.2 (1-Lane)
1.300	19.78	999.00	6.78	999.00	0.00	262.6 (2-Lane)
1.300	22.86	999.00	7.83	999.00	0.00	303.5 (1-Lane)
1.400	16.83	999.00	5.77	999.00	0.00	223.8 (2-Lane)
1.400	19.45	999.00	6.67	999.00	0.00	258.6 (1-Lane)
1.500	16.04	999.00	5.51	999.00	0.00	213.4 (2-Lane)
1.500	18.54	999.00	6.36	999.00	0.00	246.7 (1-Lane)
1.600	16.83	999.00	5.77	999.00	0.00	223.8 (2-Lane)
1.600	19.45	999.00	6.67	999.00	0.00	258.6 (1-Lane)
1.700	19.78	999.00	6.78	999.00	0.00	262.6 (2-Lane)
1.700	22.86	999.00	7.83	999.00	0.00	303.5 (1-Lane)
1.800	28.10	999.00	9.60	999.00	0.00	372.2 (2-Lane)
1.800	32.48	999.00	11.10	999.00	0.00	430.2 (1-Lane)
1.900	54.88	999.00	18.70	999.00	0.00	724.7 (2-Lane)
1.900	63.42	999.00	21.61	999.00	0.00	837.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00
1.100	204.7	37.6	375.29 R	0.00	299.72	0.00	324.72 R	0.00
1.200	391.2	66.8	652.06 R	0.00	521.46	0.00	564.20 R	0.00
1.300	513.5	87.7	830.32 R	0.00	665.23	0.00	718.43 R	0.00
1.400	586.9	100.3	932.73 R	0.00	748.09	0.00	807.04 R	0.00
1.500	611.3	104.4	947.96 R	0.00	761.49	0.00	820.22 R	0.00
1.600	586.9	100.3	932.73 R	0.00	748.09	0.00	807.04 R	0.00
1.700	513.5	87.7	830.32 R	0.00	665.23	0.00	718.43 R	0.00
1.800	391.2	66.8	652.06 R	0.00	521.46	0.00	564.20 R	0.00
1.900	220.1	37.6	375.29 R	0.00	299.72	0.00	324.72 R	0.00

9999999_20120831cy17_FlexuralRpt.txt

1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HL93

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	15.38	999.00	15.38	999.00	0.00	553.6 (2-Lane)
1.100	17.77	999.00	17.77	999.00	0.00	639.8 (1-Lane)
1.200	8.52	999.00	8.52	999.00	0.00	306.7 (2-Lane)
1.200	9.85	999.00	9.85	999.00	0.00	354.5 (1-Lane)
1.300	6.52	999.00	6.52	999.00	0.00	234.7 (2-Lane)
1.300	7.53	999.00	7.53	999.00	0.00	271.2 (1-Lane)
1.400	5.71	999.00	5.71	999.00	0.00	205.6 (2-Lane)
1.400	6.60	999.00	6.60	999.00	0.00	237.6 (1-Lane)
1.500	5.59	999.00	5.59	999.00	0.00	201.2 (2-Lane)
1.500	6.46	999.00	6.46	999.00	0.00	232.5 (1-Lane)
1.600	5.71	999.00	5.71	999.00	0.00	205.6 (2-Lane)
1.600	6.60	999.00	6.60	999.00	0.00	237.6 (1-Lane)
1.700	6.52	999.00	6.52	999.00	0.00	234.7 (2-Lane)
1.700	7.53	999.00	7.53	999.00	0.00	271.2 (1-Lane)
1.800	8.52	999.00	8.52	999.00	0.00	306.7 (2-Lane)
1.800	9.85	999.00	9.85	999.00	0.00	354.5 (1-Lane)
1.900	15.34	999.00	15.34	999.00	0.00	552.1 (2-Lane)
1.900	17.73	999.00	17.73	999.00	0.00	638.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HL93

Gamma	DC		DW		(2-Lane)	(1-Lane)
	1.25		1.25		1.35	1.35

9999999_20120831cy17_FlexuralRpt.txt										
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	61.48	0.00	48.95	0.00	61.73	0.00	49.15	0.00
1.100	36.9	5.9	57.26	0.00	45.50	0.00	57.49	0.00	45.69	0.00
1.200	25.8	4.4	48.74	0.00	38.59	0.00	48.94	0.00	38.74	0.00
1.300	17.2	2.9	40.47	0.00	31.91	0.00	40.63	0.00	32.04	0.00
1.400	8.6	1.5	32.44	0.00	25.49	0.00	32.57	0.00	25.59	0.00
1.500	0.0	0.0	24.66	0.00	19.30	0.00	24.76	0.00	19.38	0.00
1.600	-8.6	-1.5	-32.44	0.00	-25.49	0.00	-32.57	0.00	-25.59	0.00
1.700	-17.2	-2.9	-40.47	0.00	-31.91	0.00	-40.63	0.00	-32.04	0.00
1.800	-25.8	-4.4	-48.74	0.00	-38.59	0.00	-48.94	0.00	-38.74	0.00
1.900	-34.4	-5.9	-57.26	0.00	-45.50	0.00	-57.49	0.00	-45.69	0.00
1.949	-38.6	-13.2	-61.48	0.00	-48.95	0.00	-61.73	0.00	-49.15	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: HL93

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	80.5	30.2	110.7	-120.8	100.7 (2-Lane)
1.400	85.9	30.2	116.1	-126.2	106.0 (1-Lane)
1.500	46.4	47.7	94.0	-94.0	94.0 (2-Lane)
1.500	49.3	47.7	97.0	-97.0	97.0 (1-Lane)
1.600	80.5	30.2	110.8	-100.7	120.8 (2-Lane)
1.600	85.9	30.2	116.1	-106.0	126.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: HL93

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	177.67	2.52	0.00	90.8 (2-Lane)
1.051	176.96	2.51	0.00	90.5 (1-Lane)
1.100	93.36	3.23	0.00	116.2 (2-Lane)
1.100	92.98	3.22	0.00	115.8 (1-Lane)
1.200	26.19	2.98	0.00	107.3 (2-Lane)
1.200	26.09	2.97	0.00	106.9 (1-Lane)
1.300	15.89	4.08	0.00	146.9 (2-Lane)
1.300	15.82	4.07	0.00	146.3 (1-Lane)
1.400	6.62	3.10	0.00	111.7 (2-Lane)
1.400	6.88	3.25	0.00	117.1 (1-Lane)
1.500	3.81	3.81	0.00	137.2 (2-Lane)
1.500	3.92	3.92	0.00	141.0 (1-Lane)
1.600	3.10	6.62	0.00	111.7 (2-Lane)
1.600	3.25	6.88	0.00	117.1 (1-Lane)
1.700	4.08	15.89	0.00	146.9 (2-Lane)
1.700	4.07	15.82	0.00	146.3 (1-Lane)
1.800	2.98	26.19	0.00	107.3 (2-Lane)
1.800	2.97	26.09	0.00	106.9 (1-Lane)
1.900	3.32	89.76	0.00	119.6 (2-Lane)
1.900	3.31	89.40	0.00	119.1 (1-Lane)
1.949	2.57	174.04	0.00	92.5 (2-Lane)

9999999_20120831cy17_FlexuralRpt.txt
1.949 2.56 173.35 0.00 92.1 (1-Lane)
2.000 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 0.00 999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: HS20

Rating Live Load:			MS20		(2-Lane)		(1-Lane)			
Gamma	DC	DW		LL		LL		LL		
	1.25	1.25		1.35				1.35		
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	304.58 R	0.00	229.01	0.00	263.54 R	0.00	198.15	0.00
1.200	391.2	66.8	526.36 R	0.00	395.76	0.00	455.43 R	0.00	342.43	0.00
1.300	513.5	87.7	665.32 R	0.00	500.24	0.00	575.67 R	0.00	432.83	0.00
1.400	586.9	100.3	744.17 R	0.00	559.52	0.00	643.89 R	0.00	484.13	0.00
1.500	611.3	104.4	751.55 R	0.00	565.07	0.00	650.27 R	0.00	488.93	0.00
1.600	586.9	100.3	744.17 R	0.00	559.52	0.00	643.89 R	0.00	484.13	0.00
1.700	513.5	87.7	665.32 R	0.00	500.24	0.00	575.67 R	0.00	432.83	0.00
1.800	391.2	66.8	526.36 R	0.00	395.76	0.00	455.43 R	0.00	342.43	0.00
1.900	220.1	37.6	304.58 R	0.00	229.01	0.00	263.54 R	0.00	198.15	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: HS20

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	999.00	999.0 (1-Lane)
1.100	18.95	999.00	18.95	999.00	378.97	682.2 (2-Lane)
1.100	21.90	999.00	21.90	999.00	438.00	788.4 (1-Lane)
1.200	10.56	999.00	10.56	999.00	211.10	380.0 (2-Lane)
1.200	12.20	999.00	12.20	999.00	243.97	439.2 (1-Lane)
1.300	8.14	999.00	8.14	999.00	162.70	292.9 (2-Lane)
1.300	9.40	999.00	9.40	999.00	188.04	338.5 (1-Lane)
1.400	7.16	999.00	7.16	999.00	143.16	257.7 (2-Lane)
1.400	8.27	999.00	8.27	999.00	165.45	297.8 (1-Lane)
1.500	7.05	999.00	7.05	999.00	140.99	253.8 (2-Lane)
1.500	8.15	999.00	8.15	999.00	162.95	293.3 (1-Lane)

1.600	7.16	999.00	7.16	999.00	143.16	257.7	(2-Lane)
1.600	8.27	999.00	8.27	999.00	165.45	297.8	(1-Lane)
1.700	8.14	999.00	8.14	999.00	162.70	292.9	(2-Lane)
1.700	9.40	999.00	9.40	999.00	188.04	338.5	(1-Lane)
1.800	10.56	999.00	10.56	999.00	211.10	380.0	(2-Lane)
1.800	12.20	999.00	12.20	999.00	243.97	439.2	(1-Lane)
1.900	18.90	999.00	18.90	999.00	377.96	680.3	(2-Lane)
1.900	21.84	999.00	21.84	999.00	436.83	786.3	(1-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
1.949	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(2-Lane)
2.000	999.00	999.00	999.00	999.00	999.00	999.0	(1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HS20

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	50.49	0.00	37.96	0.00	50.69	0.00	38.11	0.00
1.100	36.9	5.9	47.36	0.00	35.61	0.00	47.55	0.00	35.75	0.00
1.200	25.8	4.4	40.92	0.00	30.77	0.00	41.09	0.00	30.89	0.00
1.300	17.2	2.9	34.48	0.00	25.93	0.00	34.62	0.00	26.03	0.00
1.400	8.6	1.5	28.05	0.00	21.09	0.00	28.16	0.00	21.17	0.00
1.500	0.0	0.0	21.61	0.00	16.25	0.00	21.70	0.00	16.31	0.00
1.600	-8.6	-1.5	-28.05	0.00	-21.09	0.00	-28.16	0.00	-21.17	0.00
1.700	-17.2	-2.9	-34.48	0.00	-25.93	0.00	-34.62	0.00	-26.03	0.00
1.800	-25.8	-4.4	-40.92	0.00	-30.77	0.00	-41.09	0.00	-30.89	0.00
1.900	-34.4	-5.9	-47.36	0.00	-35.61	0.00	-47.55	0.00	-35.75	0.00
1.949	-38.6	-13.2	-50.49	0.00	-37.96	0.00	-50.69	0.00	-38.11	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HS20

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	81.4	30.2	111.6	-121.7	101.6 (2-Lane)
1.400	86.3	30.2	116.5	-126.6	106.4 (1-Lane)
1.500	46.1	47.7	93.8	-93.8	93.8 (2-Lane)
1.500	48.8	47.7	96.4	-96.4	96.4 (1-Lane)
1.600	81.4	30.2	111.6	-101.6	121.7 (2-Lane)
1.600	86.3	30.2	116.5	-106.4	126.6 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	177.67	3.07	61.46	110.6 (2-Lane)
1.051	176.96	3.06	61.21	110.2 (1-Lane)
1.100	94.49	3.90	78.07	140.5 (2-Lane)
1.100	94.11	3.89	77.76	140.0 (1-Lane)
1.200	35.96	3.55	71.00	127.8 (2-Lane)
1.200	35.82	3.54	70.72	127.3 (1-Lane)
1.300	20.32	4.79	95.80	172.4 (2-Lane)
1.300	20.24	4.77	95.41	171.7 (1-Lane)
1.400	7.69	3.62	72.42	130.4 (2-Lane)
1.400	7.96	3.78	75.58	136.0 (1-Lane)
1.500	4.34	4.34	86.82	156.3 (2-Lane)
1.500	4.45	4.45	88.91	160.0 (1-Lane)
1.600	3.62	7.69	72.43	130.4 (2-Lane)
1.600	3.78	7.96	75.58	136.0 (1-Lane)
1.700	4.79	20.32	95.80	172.4 (2-Lane)
1.700	4.77	20.24	95.41	171.7 (1-Lane)
1.800	3.55	35.96	71.00	127.8 (2-Lane)
1.800	3.54	35.82	70.72	127.3 (1-Lane)
1.900	4.02	94.69	80.34	144.6 (2-Lane)
1.900	4.00	94.31	80.02	144.0 (1-Lane)
1.949	3.13	177.86	62.55	112.6 (2-Lane)
1.949	3.12	177.15	62.30	112.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	221.10 R	0.00	166.24	0.00	191.31 R	0.00	143.84	0.00
1.200	391.2	66.8	384.70 R	0.00	289.25	0.00	332.86 R	0.00	250.27	0.00
1.300	513.5	87.7	490.79 R	0.00	369.01	0.00	424.65 R	0.00	319.29	0.00
1.400	586.9	100.3	551.53 R	0.00	414.68	0.00	477.21 R	0.00	358.80	0.00
1.500	611.3	104.4	562.86 R	0.00	423.21	0.00	487.02 R	0.00	366.18	0.00
1.600	586.9	100.3	551.53 R	0.00	414.68	0.00	477.21 R	0.00	358.80	0.00
1.700	513.5	87.7	490.79 R	0.00	369.01	0.00	424.65 R	0.00	319.29	0.00
1.800	391.2	66.8	384.70 R	0.00	289.25	0.00	332.86 R	0.00	250.27	0.00
1.900	220.1	37.6	221.10 R	0.00	166.24	0.00	191.31 R	0.00	143.84	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	26.10	999.00	26.10	999.00	0.00	652.6 (2-Lane)
1.100	30.17	999.00	30.17	999.00	0.00	754.2 (1-Lane)
1.200	14.44	999.00	14.44	999.00	0.00	361.0 (2-Lane)
1.200	16.69	999.00	16.69	999.00	0.00	417.3 (1-Lane)
1.300	11.03	999.00	11.03	999.00	0.00	275.7 (2-Lane)
1.300	12.75	999.00	12.75	999.00	0.00	318.6 (1-Lane)
1.400	9.66	999.00	9.66	999.00	0.00	241.4 (2-Lane)
1.400	11.16	999.00	11.16	999.00	0.00	279.0 (1-Lane)
1.500	9.41	999.00	9.41	999.00	0.00	235.3 (2-Lane)
1.500	10.88	999.00	10.88	999.00	0.00	272.0 (1-Lane)
1.600	9.66	999.00	9.66	999.00	0.00	241.4 (2-Lane)
1.600	11.16	999.00	11.16	999.00	0.00	279.0 (1-Lane)
1.700	11.03	999.00	11.03	999.00	0.00	275.7 (2-Lane)
1.700	12.75	999.00	12.75	999.00	0.00	318.6 (1-Lane)
1.800	14.44	999.00	14.44	999.00	0.00	361.0 (2-Lane)
1.800	16.69	999.00	16.69	999.00	0.00	417.3 (1-Lane)
1.900	26.03	999.00	26.03	999.00	0.00	650.8 (2-Lane)
1.900	30.09	999.00	30.09	999.00	0.00	752.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	36.55	0.00	27.48	0.00	36.70	0.00
1.100	36.9	5.9	34.38	0.00	25.85	0.00	34.52	0.00
1.200	25.8	4.4	29.91	0.00	22.49	0.00	30.03	0.00
1.300	17.2	2.9	25.44	0.00	19.13	0.00	25.54	0.00
1.400	8.6	1.5	20.97	0.00	15.76	0.00	21.05	0.00
1.500	0.0	0.0	16.50	0.00	12.40	0.00	16.56	0.00
1.600	-8.6	-1.5	-20.97	0.00	-15.76	0.00	-21.05	0.00
1.700	-17.2	-2.9	-25.44	0.00	-19.13	0.00	-25.54	0.00
1.800	-25.8	-4.4	-29.91	0.00	-22.49	0.00	-30.03	0.00
1.900	-34.4	-5.9	-34.38	0.00	-25.85	0.00	-34.52	0.00
1.949	-38.6	-13.2	-36.55	0.00	-27.48	0.00	-36.70	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3

	Shear Resistance Vc	Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)

1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	77.8	30.2	108.0	-118.1	97.9 (2-Lane)
1.400	81.7	30.2	111.9	-122.0	101.8 (1-Lane)
1.500	42.0	47.7	89.6	-89.6	89.6 (2-Lane)
1.500	44.0	47.7	91.6	-91.6	91.6 (1-Lane)
1.600	77.8	30.2	108.0	-97.9	118.1 (2-Lane)
1.600	81.7	30.2	111.9	-101.8	122.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	334.43	4.24	0.00	106.1 (2-Lane)
1.051	333.10	4.23	0.00	105.7 (1-Lane)
1.100	137.29	5.38	0.00	134.4 (2-Lane)
1.100	136.74	5.36	0.00	133.9 (1-Lane)
1.200	41.08	4.86	0.00	121.4 (2-Lane)
1.200	40.91	4.84	0.00	121.0 (1-Lane)
1.300	25.53	6.49	0.00	162.3 (2-Lane)
1.300	25.43	6.47	0.00	161.7 (1-Lane)
1.400	9.82	4.67	0.00	116.8 (2-Lane)
1.400	10.10	4.84	0.00	120.9 (1-Lane)
1.500	5.43	5.43	0.00	135.8 (2-Lane)
1.500	5.53	5.53	0.00	138.3 (1-Lane)
1.600	4.67	9.82	0.00	116.8 (2-Lane)
1.600	4.84	10.10	0.00	120.9 (1-Lane)
1.700	6.49	25.53	0.00	162.3 (2-Lane)
1.700	6.47	25.43	0.00	161.7 (1-Lane)
1.800	4.86	41.08	0.00	121.4 (2-Lane)
1.800	4.84	40.91	0.00	121.0 (1-Lane)
1.900	5.53	137.57	0.00	138.4 (2-Lane)
1.900	5.51	137.02	0.00	137.8 (1-Lane)
1.949	4.32	334.80	0.00	108.0 (2-Lane)
1.949	4.30	333.46	0.00	107.6 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane)		(1-Lane)	
	1.25	1.25	LL	LL	LL	LL
			1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	260.92 R	0.00	196.18	0.00
1.200	391.2	66.8	429.84 R	0.00	323.18	0.00
1.300	513.5	87.7	562.64 R	0.00	423.04	0.00
1.400	586.9	100.3	622.88 R	0.00	468.33	0.00
1.500	611.3	104.4	611.36 R	0.00	459.67	0.00
1.600	586.9	100.3	622.88 R	0.00	468.33	0.00
1.700	513.5	87.7	562.64 R	0.00	423.04	0.00
1.800	391.2	66.8	429.84 R	0.00	323.18	0.00
1.900	220.1	37.6	260.92 R	0.00	196.18	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-OPER
 Rating Live Load: 3S2

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-OPER
 Rating Live Load: 3S2

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	22.12	999.00	22.12	999.00	0.00	884.8 (2-Lane)
1.100	25.56	999.00	25.56	999.00	0.00	999.0 (1-Lane)
1.200	12.93	999.00	12.93	999.00	0.00	517.0 (2-Lane)
1.200	14.94	999.00	14.94	999.00	0.00	597.5 (1-Lane)
1.300	9.62	999.00	9.62	999.00	0.00	384.8 (2-Lane)
1.300	11.12	999.00	11.12	999.00	0.00	444.7 (1-Lane)
1.400	8.55	999.00	8.55	999.00	0.00	342.1 (2-Lane)
1.400	9.88	999.00	9.88	999.00	0.00	395.3 (1-Lane)
1.500	8.67	999.00	8.67	999.00	0.00	346.6 (2-Lane)
1.500	10.02	999.00	10.02	999.00	0.00	400.6 (1-Lane)
1.600	8.55	999.00	8.55	999.00	0.00	342.1 (2-Lane)
1.600	9.88	999.00	9.88	999.00	0.00	395.3 (1-Lane)
1.700	9.62	999.00	9.62	999.00	0.00	384.8 (2-Lane)
1.700	11.12	999.00	11.12	999.00	0.00	444.7 (1-Lane)
1.800	12.93	999.00	12.93	999.00	0.00	517.0 (2-Lane)
1.800	14.94	999.00	14.94	999.00	0.00	597.5 (1-Lane)
1.900	22.06	999.00	22.06	999.00	0.00	882.4 (2-Lane)
1.900	25.50	999.00	25.50	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-OPER
 Rating Live Load: 3S2

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.35	1.35	1.35	1.35
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00

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1.051	39.9	6.6	35.11	0.00	26.40	0.00	35.25	0.00	26.51
1.100	36.9	5.9	40.57	0.00	30.50	0.00	40.73	0.00	30.63
1.200	25.8	4.4	33.42	0.00	25.13	0.00	33.55	0.00	25.23
1.300	17.2	2.9	26.50	0.00	19.93	0.00	26.61	0.00	20.01
1.400	8.6	1.5	20.58	0.00	15.48	0.00	20.67	0.00	15.54
1.500	0.0	0.0	14.77	0.00	11.11	0.00	14.83	0.00	11.15
1.600	-8.6	-1.5	-20.58	0.00	-15.48	0.00	-20.67	0.00	-15.54
1.700	-17.2	-2.9	-26.50	0.00	-19.93	0.00	-26.61	0.00	-20.01
1.800	-25.8	-4.4	-33.42	0.00	-25.13	0.00	-33.55	0.00	-25.23
1.900	-34.4	-5.9	-40.57	0.00	-30.50	0.00	-40.73	0.00	-30.63
1.949	-38.6	-13.2	-44.05	0.00	-33.12	0.00	-44.22	0.00	-33.25
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G18

Rating Type:

I-OPER

Rating Live Load:

3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	73.9	30.2	104.2	-114.2	94.1 (2-Lane)
1.400	77.8	30.2	108.0	-118.1	97.9 (1-Lane)
1.500	37.9	47.7	85.6	-85.6	85.6 (2-Lane)
1.500	39.7	47.7	87.4	-87.4	87.4 (1-Lane)
1.600	73.9	30.2	104.2	-94.1	114.2 (2-Lane)
1.600	77.8	30.2	108.0	-97.9	118.1 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G18

Rating Type:

I-OPER

Rating Live Load:

3S2

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	334.43	4.42	0.00	176.7 (2-Lane)
1.051	333.10	4.40	0.00	176.0 (1-Lane)
1.100	137.29	4.56	0.00	182.3 (2-Lane)
1.100	136.74	4.54	0.00	181.5 (1-Lane)
1.200	41.08	4.35	0.00	173.9 (2-Lane)
1.200	40.91	4.33	0.00	173.2 (1-Lane)
1.300	25.53	6.23	0.00	249.3 (2-Lane)
1.300	25.43	6.21	0.00	248.3 (1-Lane)
1.400	10.30	4.57	0.00	182.8 (2-Lane)
1.400	10.61	4.74	0.00	189.6 (1-Lane)
1.500	5.79	5.79	0.00	231.7 (2-Lane)
1.500	5.89	5.89	0.00	235.6 (1-Lane)
1.600	4.57	10.30	0.00	182.8 (2-Lane)
1.600	4.74	10.61	0.00	189.6 (1-Lane)
1.700	6.23	25.53	0.00	249.3 (2-Lane)
1.700	6.21	25.43	0.00	248.3 (1-Lane)
1.800	4.35	41.08	0.00	173.9 (2-Lane)
1.800	4.33	40.91	0.00	173.2 (1-Lane)
1.900	4.69	137.57	0.00	187.6 (2-Lane)
1.900	4.67	137.02	0.00	186.8 (1-Lane)
1.949	3.59	334.80	0.00	143.4 (2-Lane)
1.949	3.57	333.46	0.00	142.8 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3-3

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL		LL			
					1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	223.93 R	0.00	168.37	0.00	193.76 R	0.00	145.68	0.00
1.200	391.2	66.8	369.65 R	0.00	277.94	0.00	319.84 R	0.00	240.48	0.00
1.300	513.5	87.7	463.09 R	0.00	348.19	0.00	400.69 R	0.00	301.27	0.00
1.400	586.9	100.3	486.43 R	0.00	365.74	0.00	420.88 R	0.00	316.45	0.00
1.500	611.3	104.4	515.81 R	0.00	387.83	0.00	446.31 R	0.00	335.57	0.00
1.600	586.9	100.3	486.43 R	0.00	365.74	0.00	420.88 R	0.00	316.45	0.00
1.700	513.5	87.7	463.09 R	0.00	348.19	0.00	400.69 R	0.00	301.27	0.00
1.800	391.2	66.8	369.65 R	0.00	277.94	0.00	319.84 R	0.00	240.48	0.00
1.900	220.1	37.6	223.93 R	0.00	168.37	0.00	193.76 R	0.00	145.68	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3-3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3387

MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: 3-3

Moment

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	25.77	999.00	25.77	999.00	0.00	999.0 (2-Lane)
1.100	29.79	999.00	29.79	999.00	0.00	999.0 (1-Lane)
1.200	15.03	999.00	15.03	999.00	0.00	601.2 (2-Lane)
1.200	17.37	999.00	17.37	999.00	0.00	694.8 (1-Lane)
1.300	11.69	999.00	11.69	999.00	0.00	467.5 (2-Lane)
1.300	13.51	999.00	13.51	999.00	0.00	540.3 (1-Lane)
1.400	10.95	999.00	10.95	999.00	0.00	438.0 (2-Lane)
1.400	12.66	999.00	12.66	999.00	0.00	506.2 (1-Lane)
1.500	10.27	999.00	10.27	999.00	0.00	410.8 (2-Lane)
1.500	11.87	999.00	11.87	999.00	0.00	474.8 (1-Lane)
1.600	10.95	999.00	10.95	999.00	0.00	438.0 (2-Lane)
1.600	12.66	999.00	12.66	999.00	0.00	506.2 (1-Lane)

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1.700	11.69	999.00	11.69	999.00	0.00	467.5 (2-Lane)
1.700	13.51	999.00	13.51	999.00	0.00	540.3 (1-Lane)
1.800	15.03	999.00	15.03	999.00	0.00	601.2 (2-Lane)
1.800	17.37	999.00	17.37	999.00	0.00	694.8 (1-Lane)
1.900	25.70	999.00	25.70	999.00	0.00	999.0 (2-Lane)
1.900	29.71	999.00	29.71	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3388

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: 3-3

				(2-Lane)	(1-Lane)
Gamma	DC	DW	LL	LL	LL
	1.25	1.25	1.35		1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	37.77	0.00	28.40	0.00	37.93	0.00	28.52	0.00
1.100	36.9	5.9	34.82	0.00	26.18	0.00	34.96	0.00	26.29	0.00
1.200	25.8	4.4	28.74	0.00	21.61	0.00	28.85	0.00	21.70	0.00
1.300	17.2	2.9	22.66	0.00	17.04	0.00	22.75	0.00	17.11	0.00
1.400	8.6	1.5	17.69	0.00	13.30	0.00	17.76	0.00	13.35	0.00
1.500	0.0	0.0	13.75	0.00	10.34	0.00	13.81	0.00	10.38	0.00
1.600	-8.6	-1.5	-17.69	0.00	-13.30	0.00	-17.76	0.00	-13.35	0.00
1.700	-17.2	-2.9	-22.66	0.00	-17.04	0.00	-22.75	0.00	-17.11	0.00
1.800	-25.8	-4.4	-28.74	0.00	-21.61	0.00	-28.85	0.00	-21.70	0.00
1.900	-34.4	-5.9	-34.82	0.00	-26.18	0.00	-34.96	0.00	-26.29	0.00
1.949	-38.6	-13.2	-37.77	0.00	-28.40	0.00	-37.93	0.00	-28.52	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: 3-3

		Shear Resistance		Available Resistance for LL+I	
		Vc	Vs Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	74.5	30.2	104.7	-114.8	94.7 (2-Lane)
1.400	77.9	30.2	108.1	-118.2	98.1 (1-Lane)
1.500	38.0	47.7	85.7	-85.7	85.7 (2-Lane)
1.500	39.6	47.7	87.3	-87.3	87.3 (1-Lane)
1.600	74.5	30.2	104.7	-94.7	114.8 (2-Lane)
1.600	77.9	30.2	108.1	-98.1	118.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: 3-3

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
------	---------------	---------------	-----------------	------------------------------

1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	406.10	4.11	0.00	164.3 (2-Lane)
1.051	404.48	4.09	0.00	163.6 (1-Lane)
1.100	166.71	5.31	0.00	212.4 (2-Lane)
1.100	166.04	5.29	0.00	211.5 (1-Lane)
1.200	49.88	5.05	0.00	202.2 (2-Lane)
1.200	49.68	5.03	0.00	201.4 (1-Lane)
1.300	31.00	7.29	0.00	291.6 (2-Lane)
1.300	30.88	7.26	0.00	290.4 (1-Lane)
1.400	11.70	5.35	0.00	214.1 (2-Lane)
1.400	11.99	5.52	0.00	220.9 (1-Lane)
1.500	6.23	6.23	0.00	249.2 (2-Lane)
1.500	6.32	6.32	0.00	252.9 (1-Lane)
1.600	5.35	11.70	0.00	214.1 (2-Lane)
1.600	5.52	11.99	0.00	220.9 (1-Lane)
1.700	7.29	31.00	0.00	291.6 (2-Lane)
1.700	7.26	30.88	0.00	290.4 (1-Lane)
1.800	5.05	49.88	0.00	202.2 (2-Lane)
1.800	5.03	49.68	0.00	201.4 (1-Lane)
1.900	5.46	167.05	0.00	218.6 (2-Lane)
1.900	5.44	166.38	0.00	217.7 (1-Lane)
1.949	4.18	406.54	0.00	167.2 (2-Lane)
1.949	4.16	404.92	0.00	166.5 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	244.23 R	0.00	183.63	0.00	211.32 R	0.00	158.89	0.00
1.200	391.2	66.8	426.36 R	0.00	320.57	0.00	368.91 R	0.00	277.38	0.00
1.300	513.5	87.7	546.39 R	0.00	410.82	0.00	472.76 R	0.00	355.46	0.00
1.400	586.9	100.3	622.94 R	0.00	468.37	0.00	538.99 R	0.00	405.26	0.00
1.500	611.3	104.4	640.62 R	0.00	481.67	0.00	554.30 R	0.00	416.76	0.00
1.600	586.9	100.3	622.94 R	0.00	468.37	0.00	538.99 R	0.00	405.26	0.00
1.700	513.5	87.7	546.39 R	0.00	410.82	0.00	472.76 R	0.00	355.46	0.00
1.800	391.2	66.8	426.36 R	0.00	320.57	0.00	368.91 R	0.00	277.38	0.00
1.900	220.1	37.6	244.23 R	0.00	183.63	0.00	211.32 R	0.00	158.89	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Resistance Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
 Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	23.63	999.00	23.63	999.00	0.00	638.0 (2-Lane)
1.100	27.31	999.00	27.31	999.00	0.00	737.4 (1-Lane)
1.200	13.03	999.00	13.03	999.00	0.00	351.8 (2-Lane)
1.200	15.06	999.00	15.06	999.00	0.00	406.6 (1-Lane)
1.300	9.91	999.00	9.91	999.00	0.00	267.5 (2-Lane)
1.300	11.45	999.00	11.45	999.00	0.00	309.1 (1-Lane)
1.400	8.55	999.00	8.55	999.00	0.00	230.9 (2-Lane)
1.400	9.88	999.00	9.88	999.00	0.00	266.8 (1-Lane)
1.500	8.27	999.00	8.27	999.00	0.00	223.3 (2-Lane)
1.500	9.56	999.00	9.56	999.00	0.00	258.1 (1-Lane)
1.600	8.55	999.00	8.55	999.00	0.00	230.9 (2-Lane)
1.600	9.88	999.00	9.88	999.00	0.00	266.8 (1-Lane)
1.700	9.91	999.00	9.91	999.00	0.00	267.5 (2-Lane)
1.700	11.45	999.00	11.45	999.00	0.00	309.1 (1-Lane)
1.800	13.03	999.00	13.03	999.00	0.00	351.8 (2-Lane)
1.800	15.06	999.00	15.06	999.00	0.00	406.6 (1-Lane)
1.900	23.57	999.00	23.57	999.00	0.00	636.3 (2-Lane)
1.900	27.24	999.00	27.24	999.00	0.00	735.4 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
 Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	40.32	0.00	30.32	0.00	40.49	0.00	30.44
1.100	36.9	5.9	37.98	0.00	28.55	0.00	38.13	0.00	28.67
1.200	25.8	4.4	33.15	0.00	24.92	0.00	33.28	0.00	25.02
1.300	17.2	2.9	28.32	0.00	21.29	0.00	28.43	0.00	21.38
1.400	8.6	1.5	23.49	0.00	17.66	0.00	23.59	0.00	17.73
1.500	0.0	0.0	18.66	0.00	14.03	0.00	18.74	0.00	14.09
1.600	-8.6	-1.5	-23.49	0.00	-17.66	0.00	-23.59	0.00	-17.73
1.700	-17.2	-2.9	-28.32	0.00	-21.29	0.00	-28.43	0.00	-21.38
1.800	-25.8	-4.4	-33.15	0.00	-24.92	0.00	-33.28	0.00	-25.02
1.900	-34.4	-5.9	-37.98	0.00	-28.55	0.00	-38.13	0.00	-28.67
1.949	-38.6	-13.2	-40.32	0.00	-30.32	0.00	-40.49	0.00	-30.44
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3396

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
 Rating Live Load: SU4

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)

1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	79.1	30.2	109.3	-119.4	99.2 (2-Lane)
1.400	83.3	30.2	113.5	-123.6	103.5 (1-Lane)
1.500	43.9	47.7	91.6	-91.6	91.6 (2-Lane)
1.500	46.2	47.7	93.9	-93.9	93.9 (1-Lane)
1.600	79.1	30.2	109.3	-99.2	119.4 (2-Lane)
1.600	83.3	30.2	113.5	-103.5	123.6 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	334.43	3.85	0.00	103.9 (2-Lane)
1.051	333.10	3.83	0.00	103.5 (1-Lane)
1.100	137.29	4.87	0.00	131.4 (2-Lane)
1.100	136.74	4.85	0.00	130.9 (1-Lane)
1.200	37.88	4.38	0.00	118.3 (2-Lane)
1.200	37.73	4.36	0.00	117.9 (1-Lane)
1.300	22.37	5.83	0.00	157.5 (2-Lane)
1.300	22.28	5.81	0.00	156.8 (1-Lane)
1.400	8.63	4.22	0.00	114.0 (2-Lane)
1.400	8.90	4.39	0.00	118.4 (1-Lane)
1.500	4.91	4.91	0.00	132.5 (2-Lane)
1.500	5.01	5.01	0.00	135.3 (1-Lane)
1.600	4.22	8.63	0.00	114.0 (2-Lane)
1.600	4.39	8.90	0.00	118.4 (1-Lane)
1.700	5.83	22.37	0.00	157.5 (2-Lane)
1.700	5.81	22.28	0.00	156.8 (1-Lane)
1.800	4.38	37.88	0.00	118.3 (2-Lane)
1.800	4.36	37.73	0.00	117.9 (1-Lane)
1.900	5.01	137.57	0.00	135.3 (2-Lane)
1.900	4.99	137.02	0.00	134.7 (1-Lane)
1.949	3.92	334.80	0.00	105.7 (2-Lane)
1.949	3.90	333.46	0.00	105.3 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: SU5

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	271.06 R	0.00	203.80	0.00	234.53 R	0.00	176.34	0.00
1.200	391.2	66.8	470.80 R	0.00	353.99	0.00	407.36 R	0.00	306.29	0.00
1.300	513.5	87.7	605.73 R	0.00	455.43	0.00	524.10 R	0.00	394.06	0.00
1.400	586.9	100.3	687.98 R	0.00	517.28	0.00	595.27 R	0.00	447.57	0.00
1.500	611.3	104.4	698.92 R	0.00	525.51	0.00	604.74 R	0.00	454.69	0.00
1.600	586.9	100.3	687.98 R	0.00	517.28	0.00	595.27 R	0.00	447.57	0.00
1.700	513.5	87.7	605.73 R	0.00	455.43	0.00	524.10 R	0.00	394.06	0.00
1.800	391.2	66.8	470.80 R	0.00	353.99	0.00	407.36 R	0.00	306.29	0.00
1.900	220.1	37.6	271.05 R	0.00	203.80	0.00	234.53 R	0.00	176.34	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: SU5

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	21.29	999.00	21.29	999.00	0.00	660.1 (2-Lane)
1.100	24.61	999.00	24.61	999.00	0.00	762.9 (1-Lane)
1.200	11.80	999.00	11.80	999.00	0.00	365.8 (2-Lane)
1.200	13.64	999.00	13.64	999.00	0.00	422.8 (1-Lane)
1.300	8.94	999.00	8.94	999.00	0.00	277.0 (2-Lane)
1.300	10.33	999.00	10.33	999.00	0.00	320.1 (1-Lane)
1.400	7.74	999.00	7.74	999.00	0.00	240.0 (2-Lane)
1.400	8.95	999.00	8.95	999.00	0.00	277.4 (1-Lane)
1.500	7.58	999.00	7.58	999.00	0.00	235.0 (2-Lane)
1.500	8.76	999.00	8.76	999.00	0.00	271.6 (1-Lane)
1.600	7.74	999.00	7.74	999.00	0.00	240.0 (2-Lane)
1.600	8.95	999.00	8.95	999.00	0.00	277.4 (1-Lane)
1.700	8.94	999.00	8.94	999.00	0.00	277.0 (2-Lane)
1.700	10.33	999.00	10.33	999.00	0.00	320.1 (1-Lane)
1.800	11.80	999.00	11.80	999.00	0.00	365.8 (2-Lane)
1.800	13.64	999.00	13.64	999.00	0.00	422.8 (1-Lane)
1.900	21.24	999.00	21.24	999.00	0.00	658.3 (2-Lane)
1.900	24.54	999.00	24.54	999.00	0.00	760.8 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: SU5

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact		Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane	Truck	Lane	Truck	Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	44.84	0.00	33.72	0.00	45.02	0.00	33.85	0.00
1.100	36.9	5.9	42.15	0.00	31.69	0.00	42.32	0.00	31.82	0.00
1.200	25.8	4.4	36.60	0.00	27.52	0.00	36.75	0.00	27.63	0.00
1.300	17.2	2.9	31.06	0.00	23.35	0.00	31.18	0.00	23.45	0.00

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1.400	8.6	1.5	25.52	0.00	19.18	0.00	25.62	0.00	19.26
1.500	0.0	0.0	19.97	0.00	15.02	0.00	20.05	0.00	15.08
1.600	-8.6	-1.5	-25.52	0.00	-19.18	0.00	-25.62	0.00	-19.26
1.700	-17.2	-2.9	-31.06	0.00	-23.35	0.00	-31.18	0.00	-23.45
1.800	-25.8	-4.4	-36.60	0.00	-27.52	0.00	-36.75	0.00	-27.63
1.900	-34.4	-5.9	-42.15	0.00	-31.69	0.00	-42.32	0.00	-31.82
1.949	-38.6	-13.2	-44.84	0.00	-33.72	0.00	-45.02	0.00	-33.85
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LOAD ANALYSIS AND RATING SYSTEM

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STRENGTH

SHEAR

RESISTANCE

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G18

Rating Type:

I-OPER

Rating Live Load:

SU5

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	79.7	30.2	109.9	-120.0	99.8 (2-Lane)
1.400	84.2	30.2	114.4	-124.5	104.3 (1-Lane)
1.500	44.7	47.7	92.4	-92.4	92.4 (2-Lane)
1.500	47.2	47.7	94.9	-94.9	94.9 (1-Lane)
1.600	79.7	30.2	109.9	-99.8	120.0 (2-Lane)
1.600	84.2	30.2	114.4	-104.3	124.5 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

-- LRFD v5.00.06.09

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STRENGTH

SHEAR

RESISTANCE

RATING

REPORT

Structure I. D.

9999999_20120831cy17_01of01

Member I. D.

G18

Rating Type:

I-OPER

Rating Live Load:

SU5

Span	Shear			Load Resistance (tons)
	Rating (-)	Factor (+)	Rating Value	
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	334.43	3.46	0.00	107.3 (2-Lane)
1.051	333.10	3.45	0.00	106.8 (1-Lane)
1.100	137.29	4.39	0.00	136.0 (2-Lane)
1.100	136.74	4.37	0.00	135.4 (1-Lane)
1.200	37.88	3.97	0.00	123.0 (2-Lane)
1.200	37.73	3.95	0.00	122.5 (1-Lane)
1.300	20.92	5.32	0.00	164.9 (2-Lane)
1.300	20.84	5.30	0.00	164.2 (1-Lane)
1.400	8.32	3.91	0.00	121.3 (2-Lane)
1.400	8.60	4.07	0.00	126.3 (1-Lane)
1.500	4.63	4.63	0.00	143.4 (2-Lane)
1.500	4.73	4.73	0.00	146.6 (1-Lane)
1.600	3.91	8.32	0.00	121.3 (2-Lane)
1.600	4.07	8.60	0.00	126.3 (1-Lane)
1.700	5.32	20.92	0.00	164.9 (2-Lane)
1.700	5.30	20.84	0.00	164.2 (1-Lane)
1.800	3.97	37.88	0.00	123.0 (2-Lane)
1.800	3.95	37.73	0.00	122.5 (1-Lane)
1.900	4.51	137.57	0.00	139.9 (2-Lane)
1.900	4.50	137.02	0.00	139.4 (1-Lane)
1.949	3.52	334.80	0.00	109.2 (2-Lane)
1.949	3.51	333.46	0.00	108.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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LOAD ANALYSIS AND RATING SYSTEM

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC		DW		(2-Lane)		(1-Lane)			
	1.25		1.25		LL		LL			
					1.35		1.35			
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	286.07 R	0.00	215.09	0.00	247.52 R	0.00	186.11	0.00
1.200	391.2	66.8	516.11 R	0.00	388.06	0.00	446.57 R	0.00	335.76	0.00
1.300	513.5	87.7	670.48 R	0.00	504.12	0.00	580.13 R	0.00	436.19	0.00
1.400	586.9	100.3	756.25 R	0.00	568.61	0.00	654.34 R	0.00	491.99	0.00
1.500	611.3	104.4	778.90 R	0.00	585.64	0.00	673.94 R	0.00	506.72	0.00
1.600	586.9	100.3	756.25 R	0.00	568.61	0.00	654.34 R	0.00	491.99	0.00
1.700	513.5	87.7	670.48 R	0.00	504.12	0.00	580.13 R	0.00	436.19	0.00
1.800	391.2	66.8	516.11 R	0.00	388.06	0.00	446.57 R	0.00	335.76	0.00
1.900	220.1	37.6	286.07 R	0.00	215.09	0.00	247.52 R	0.00	186.11	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment		Resistance		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	0.0	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	-105.2	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	-242.3	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	-458.1	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	-601.2	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	-687.1	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	-715.8	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	-687.1	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	-601.2	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	-458.1	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	-257.7	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	-113.1	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	0.0	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	20.17	999.00	20.17	999.00	0.00	701.1 (2-Lane)
1.100	23.32	999.00	23.32	999.00	0.00	810.3 (1-Lane)
1.200	10.76	999.00	10.76	999.00	0.00	374.1 (2-Lane)
1.200	12.44	999.00	12.44	999.00	0.00	432.3 (1-Lane)
1.300	8.07	999.00	8.07	999.00	0.00	280.5 (2-Lane)
1.300	9.33	999.00	9.33	999.00	0.00	324.2 (1-Lane)
1.400	7.04	999.00	7.04	999.00	0.00	244.8 (2-Lane)
1.400	8.14	999.00	8.14	999.00	0.00	282.9 (1-Lane)
1.500	6.80	999.00	6.80	999.00	0.00	236.4 (2-Lane)
1.500	7.86	999.00	7.86	999.00	0.00	273.2 (1-Lane)
1.600	7.04	999.00	7.04	999.00	0.00	244.8 (2-Lane)
1.600	8.14	999.00	8.14	999.00	0.00	282.9 (1-Lane)
1.700	8.07	999.00	8.07	999.00	0.00	280.5 (2-Lane)
1.700	9.33	999.00	9.33	999.00	0.00	324.2 (1-Lane)
1.800	10.76	999.00	10.76	999.00	0.00	374.1 (2-Lane)

1.800	12.44	999.00	12.44	999.00	9999999_20120831cy17_FlexuralRpt.txt 0.00 432.3 (1-Lane)
1.900	20.12	999.00	20.12	999.00	0.00 699.2 (2-Lane)
1.900	23.25	999.00	23.25	999.00	0.00 808.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU6

Gamma	DC	DW	LL	(1-Lane)
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	47.50	0.00	35.72	0.00	47.69	0.00	35.86	0.00
1.100	36.9	5.9	44.48	0.00	33.45	0.00	44.66	0.00	33.58	0.00
1.200	25.8	4.4	38.27	0.00	28.77	0.00	38.42	0.00	28.89	0.00
1.300	17.2	2.9	32.05	0.00	24.10	0.00	32.18	0.00	24.20	0.00
1.400	8.6	1.5	25.84	0.00	19.43	0.00	25.94	0.00	19.51	0.00
1.500	0.0	0.0	19.62	0.00	14.76	0.00	19.70	0.00	14.81	0.00
1.600	-8.6	-1.5	-25.84	0.00	-19.43	0.00	-25.94	0.00	-19.51	0.00
1.700	-17.2	-2.9	-32.05	0.00	-24.10	0.00	-32.18	0.00	-24.20	0.00
1.800	-25.8	-4.4	-38.27	0.00	-28.77	0.00	-38.42	0.00	-28.89	0.00
1.900	-34.4	-5.9	-44.48	0.00	-33.45	0.00	-44.66	0.00	-33.58	0.00
1.949	-38.6	-13.2	-47.50	0.00	-35.72	0.00	-47.69	0.00	-35.86	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	77.4	30.2	107.6	-117.7	97.5 (2-Lane)
1.400	81.9	30.2	112.1	-122.2	102.1 (1-Lane)
1.500	42.5	47.7	90.1	-90.1	90.1 (2-Lane)
1.500	44.9	47.7	92.5	-92.5	92.5 (1-Lane)
1.600	77.4	30.2	107.6	-97.5	117.7 (2-Lane)
1.600	81.9	30.2	112.1	-102.1	122.2 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU6

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	494.38	3.27	0.00	113.5 (2-Lane)

1.051	492.40	3.25	0.00	113.0 (1-Lane)
1.100	232.15	4.16	0.00	144.4 (2-Lane)
1.100	231.22	4.14	0.00	143.9 (1-Lane)
1.200	47.87	3.80	0.00	131.9 (2-Lane)
1.200	47.68	3.78	0.00	131.4 (1-Lane)
1.300	23.30	5.15	0.00	179.1 (2-Lane)
1.300	23.21	5.13	0.00	178.4 (1-Lane)
1.400	8.40	3.77	0.00	131.1 (2-Lane)
1.400	8.69	3.93	0.00	136.7 (1-Lane)
1.500	4.59	4.59	0.00	159.6 (2-Lane)
1.500	4.70	4.70	0.00	163.2 (1-Lane)
1.600	3.77	8.40	0.00	131.1 (2-Lane)
1.600	3.93	8.69	0.00	136.7 (1-Lane)
1.700	5.15	23.30	0.00	179.1 (2-Lane)
1.700	5.13	23.21	0.00	178.4 (1-Lane)
1.800	3.80	47.87	0.00	131.9 (2-Lane)
1.800	3.78	47.68	0.00	131.4 (1-Lane)
1.900	4.28	232.62	0.00	148.6 (2-Lane)
1.900	4.26	231.69	0.00	148.0 (1-Lane)
1.949	3.32	494.92	0.00	115.5 (2-Lane)
1.949	3.31	492.94	0.00	115.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	299.33 R	0.00	225.06	0.00	258.99 R	0.00	194.73	0.00
1.200	391.2	66.8	539.90 R	0.00	405.94	0.00	467.15 R	0.00	351.24	0.00
1.300	513.5	87.7	721.72 R	0.00	542.64	0.00	624.46 R	0.00	469.52	0.00
1.400	586.9	100.3	816.43 R	0.00	613.86	0.00	706.41 R	0.00	531.14	0.00
1.500	611.3	104.4	845.30 R	0.00	635.56	0.00	731.39 R	0.00	549.92	0.00
1.600	586.9	100.3	816.43 R	0.00	613.86	0.00	706.41 R	0.00	531.14	0.00
1.700	513.5	87.7	721.72 R	0.00	542.64	0.00	624.46 R	0.00	469.52	0.00
1.800	391.2	66.8	539.90 R	0.00	405.94	0.00	467.14 R	0.00	351.24	0.00
1.900	220.1	37.6	299.32 R	0.00	225.06	0.00	258.99 R	0.00	194.73	0.00
1.949	113.1	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU7

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Positive Top	Available Resistance for LL+I Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.28	999.00	19.28	999.00	0.00	747.2 (2-Lane)
1.100	22.28	999.00	22.28	999.00	0.00	863.5 (1-Lane)
1.200	10.29	999.00	10.29	999.00	0.00	398.7 (2-Lane)
1.200	11.89	999.00	11.89	999.00	0.00	460.8 (1-Lane)
1.300	7.50	999.00	7.50	999.00	0.00	290.6 (2-Lane)
1.300	8.67	999.00	8.67	999.00	0.00	335.9 (1-Lane)
1.400	6.52	999.00	6.52	999.00	0.00	252.8 (2-Lane)
1.400	7.54	999.00	7.54	999.00	0.00	292.2 (1-Lane)
1.500	6.27	999.00	6.27	999.00	0.00	242.9 (2-Lane)
1.500	7.24	999.00	7.24	999.00	0.00	280.7 (1-Lane)
1.600	6.52	999.00	6.52	999.00	0.00	252.8 (2-Lane)
1.600	7.54	999.00	7.54	999.00	0.00	292.2 (1-Lane)
1.700	7.50	999.00	7.50	999.00	0.00	290.6 (2-Lane)
1.700	8.67	999.00	8.67	999.00	0.00	335.9 (1-Lane)
1.800	10.29	999.00	10.29	999.00	0.00	398.7 (2-Lane)
1.800	11.89	999.00	11.89	999.00	0.00	460.8 (1-Lane)
1.900	19.23	999.00	19.23	999.00	0.00	745.2 (2-Lane)
1.900	22.23	999.00	22.23	999.00	0.00	861.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.35	1.35

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.051	39.9	6.6	49.91	0.00	37.53	0.00	50.11	0.00	37.68	0.00
1.100	36.9	5.9	46.54	0.00	34.99	0.00	46.73	0.00	35.14	0.00
1.200	25.8	4.4	39.61	0.00	29.78	0.00	39.77	0.00	29.90	0.00
1.300	17.2	2.9	32.68	0.00	24.57	0.00	32.81	0.00	24.67	0.00
1.400	8.6	1.5	25.75	0.00	19.36	0.00	25.86	0.00	19.44	0.00
1.500	0.0	0.0	19.11	0.00	14.37	0.00	19.19	0.00	14.43	0.00
1.600	-8.6	-1.5	-25.75	0.00	-19.36	0.00	-25.86	0.00	-19.44	0.00
1.700	-17.2	-2.9	-32.68	0.00	-24.57	0.00	-32.81	0.00	-24.67	0.00
1.800	-25.8	-4.4	-39.61	0.00	-29.78	0.00	-39.77	0.00	-29.90	0.00
1.900	-34.4	-5.9	-46.54	0.00	-34.99	0.00	-46.73	0.00	-35.14	0.00
1.949	-38.6	-13.2	-49.91	0.00	-37.53	0.00	-50.11	0.00	-37.68	0.00
2.000	-43.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER

Rating Live Load: SU7

	Shear Resistance Vc	Shear Resistance Vs	Shear Resistance Vn	Available Resistance for LL+I (-)	Available Resistance for LL+I (+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	74.9	30.2	105.1	-115.2	95.1 (2-Lane)
1.400	79.5	30.2	109.7	-119.8	99.6 (1-Lane)
1.500	40.5	47.7	88.1	-88.1	88.1 (2-Lane)

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1.500	42.8	47.7	90.4	-90.4	90.4 (1-Lane)
1.600	74.9	30.2	105.1	-95.1	115.2 (2-Lane)
1.600	79.5	30.2	109.7	-99.6	119.8 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3418

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-OPER
Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	494.38	3.11	0.00	120.5 (2-Lane)
1.051	492.40	3.10	0.00	120.0 (1-Lane)
1.100	262.93	3.97	0.00	153.9 (2-Lane)
1.100	261.88	3.96	0.00	153.3 (1-Lane)
1.200	63.20	3.67	0.00	142.1 (2-Lane)
1.200	62.95	3.65	0.00	141.5 (1-Lane)
1.300	26.74	5.05	0.00	195.8 (2-Lane)
1.300	26.63	5.03	0.00	195.1 (1-Lane)
1.400	8.72	3.69	0.00	143.0 (2-Lane)
1.400	9.03	3.85	0.00	149.3 (1-Lane)
1.500	4.61	4.61	0.00	178.6 (2-Lane)
1.500	4.71	4.71	0.00	182.6 (1-Lane)
1.600	3.69	8.72	0.00	143.0 (2-Lane)
1.600	3.85	9.03	0.00	149.3 (1-Lane)
1.700	5.05	26.74	0.00	195.8 (2-Lane)
1.700	5.03	26.63	0.00	195.1 (1-Lane)
1.800	3.67	63.20	0.00	142.1 (2-Lane)
1.800	3.65	62.95	0.00	141.5 (1-Lane)
1.900	4.09	263.47	0.00	158.4 (2-Lane)
1.900	4.07	262.42	0.00	157.8 (1-Lane)
1.949	3.16	494.92	0.00	122.6 (2-Lane)
1.949	3.15	492.94	0.00	122.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: 3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00			0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R		0.00			0.00
1.100	204.7	37.6	294.80 R	221.66	255.08 R		191.79			
1.200	391.2	66.8	512.93 R	385.66	443.81 R		333.69			
1.300	513.5	87.7	654.39 R	492.02	566.21 R		425.72			
1.400	586.9	100.3	735.37 R	552.91	636.28 R		478.40			
1.500	611.3	104.4	750.48 R	564.27	649.35 R		488.24			
1.600	586.9	100.3	735.37 R	552.91	636.28 R		478.40			
1.700	513.5	87.7	654.39 R	492.02	566.21 R		425.72			
1.800	391.2	66.8	512.93 R	385.66	443.81 R		333.69			
1.900	220.1	37.6	294.80 R	221.66	255.08 R		191.79			
1.949	113.1	0.0	0.00 R	0.00	0.00 R		0.00			0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R		0.00			0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-LEGL
 Rating Live Load: 3

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-LEGL
 Rating Live Load: 3

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.58	999.00	19.58	999.00	0.00	489.4 (2-Lane)
1.100	22.63	999.00	22.63	999.00	0.00	565.7 (1-Lane)
1.200	10.83	999.00	10.83	999.00	0.00	270.8 (2-Lane)
1.200	12.52	999.00	12.52	999.00	0.00	312.9 (1-Lane)
1.300	8.27	999.00	8.27	999.00	0.00	206.8 (2-Lane)
1.300	9.56	999.00	9.56	999.00	0.00	239.0 (1-Lane)
1.400	7.24	999.00	7.24	999.00	0.00	181.1 (2-Lane)
1.400	8.37	999.00	8.37	999.00	0.00	209.3 (1-Lane)
1.500	7.06	999.00	7.06	999.00	0.00	176.5 (2-Lane)
1.500	8.16	999.00	8.16	999.00	0.00	204.0 (1-Lane)
1.600	7.24	999.00	7.24	999.00	0.00	181.1 (2-Lane)
1.600	8.37	999.00	8.37	999.00	0.00	209.3 (1-Lane)
1.700	8.27	999.00	8.27	999.00	0.00	206.8 (2-Lane)
1.700	9.56	999.00	9.56	999.00	0.00	239.0 (1-Lane)
1.800	10.83	999.00	10.83	999.00	0.00	270.8 (2-Lane)
1.800	12.52	999.00	12.52	999.00	0.00	312.9 (1-Lane)
1.900	19.52	999.00	19.52	999.00	0.00	488.1 (2-Lane)
1.900	22.57	999.00	22.57	999.00	0.00	564.1 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
 Rating Type: I-LEGL
 Rating Live Load: 3

Span	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.80	1.80	1.80	1.80
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/o impact Lane
1.000	43.1	0.0	0.00		0.00		0.00	
1.051	39.9	6.6	48.74		36.64		48.93	
1.100	36.9	5.9	45.84		34.47		46.02	
1.200	25.8	4.4	39.88		29.98		40.04	
1.300	17.2	2.9	33.92		25.50		34.05	
1.400	8.6	1.5	27.96		21.02		28.07	
1.500	0.0	0.0	22.00		16.54		22.08	
1.600	-8.6	-1.5	-27.96		-21.02		-28.07	
1.700	-17.2	-2.9	-33.92		-25.50		-34.05	

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1.800	-25.8	-4.4	-39.88	-29.98	-40.04
1.900	-34.4	-5.9	-45.84	-34.47	-46.02
1.949	-38.6	-13.2	-48.74	-36.64	-48.93
2.000	-43.1	0.0	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	81.7	30.2	111.9	-122.0	101.8 (2-Lane)
1.400	86.5	30.2	116.7	-126.8	106.6 (1-Lane)
1.500	46.8	47.7	94.4	-94.4	94.4 (2-Lane)
1.500	49.5	47.7	97.1	-97.1	97.1 (1-Lane)
1.600	81.7	30.2	111.9	-101.8	122.0 (2-Lane)
1.600	86.5	30.2	116.7	-106.6	126.8 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3

Shear				
Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.83	3.18	0.00	79.6 (2-Lane)
1.051	249.82	3.17	0.00	79.3 (1-Lane)
1.100	102.96	4.03	0.00	100.8 (2-Lane)
1.100	102.55	4.02	0.00	100.4 (1-Lane)
1.200	30.81	3.64	0.00	91.1 (2-Lane)
1.200	30.68	3.63	0.00	90.7 (1-Lane)
1.300	19.15	4.87	0.00	121.7 (2-Lane)
1.300	19.07	4.85	0.00	121.3 (1-Lane)
1.400	7.61	3.64	0.00	91.0 (2-Lane)
1.400	7.88	3.80	0.00	95.0 (1-Lane)
1.500	4.29	4.29	0.00	107.3 (2-Lane)
1.500	4.40	4.40	0.00	109.9 (1-Lane)
1.600	3.64	7.61	0.00	91.0 (2-Lane)
1.600	3.80	7.88	0.00	95.0 (1-Lane)
1.700	4.87	19.15	0.00	121.7 (2-Lane)
1.700	4.85	19.07	0.00	121.3 (1-Lane)
1.800	3.64	30.81	0.00	91.1 (2-Lane)
1.800	3.63	30.68	0.00	90.7 (1-Lane)
1.900	4.15	103.18	0.00	103.8 (2-Lane)
1.900	4.13	102.76	0.00	103.3 (1-Lane)
1.949	3.24	251.10	0.00	81.0 (2-Lane)
1.949	3.23	250.10	0.00	80.7 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LG

Rating Live Load: 3

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.00	1.00	LL 0.80	LL 0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	37.6	131.02 R	98.51	113.37 R	85.24
1.200	391.2	66.8	227.97 R	171.41	197.25 R	148.31
1.300	513.5	87.7	290.84 R	218.68	251.65 R	189.21
1.400	586.9	100.3	326.83 R	245.74	282.79 R	212.62
1.500	611.3	104.4	333.55 R	250.79	288.60 R	216.99
1.600	586.9	100.3	326.83 R	245.74	282.79 R	212.62
1.700	513.5	87.7	290.84 R	218.68	251.65 R	189.21
1.800	391.2	66.8	227.97 R	171.41	197.25 R	148.31
1.900	220.1	37.6	131.02 R	98.51	113.37 R	85.24
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3426

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL

Rating Live Load: STRESSES

Rating Type: 3

Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL S

Rating Live Load: 3

Service

Span	Rating		Factor		Rating Value	Load Resistance (tons)
	top +bend	fiber -bend	bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	74.51	999.00	25.43	999.00	0.00	635.8 (2-Lane)
1.100	86.12	999.00	29.40	999.00	0.00	734.9 (1-Lane)
1.200	39.44	999.00	13.48	999.00	0.00	337.0 (2-Lane)
1.200	45.58	999.00	15.58	999.00	0.00	389.5 (1-Lane)
1.300	29.09	999.00	9.97	999.00	0.00	249.1 (2-Lane)
1.300	33.62	999.00	11.52	999.00	0.00	287.9 (1-Lane)
1.400	24.91	999.00	8.55	999.00	0.00	213.7 (2-Lane)
1.400	28.79	999.00	9.88	999.00	0.00	247.0 (1-Lane)
1.500	24.09	999.00	8.27	999.00	0.00	206.8 (2-Lane)
1.500	27.84	999.00	9.56	999.00	0.00	239.0 (1-Lane)
1.600	24.91	999.00	8.55	999.00	0.00	213.7 (2-Lane)
1.600	28.79	999.00	9.88	999.00	0.00	247.0 (1-Lane)
1.700	29.09	999.00	9.97	999.00	0.00	249.1 (2-Lane)
1.700	33.62	999.00	11.52	999.00	0.00	287.9 (1-Lane)
1.800	39.44	999.00	13.48	999.00	0.00	337.0 (2-Lane)
1.800	45.58	999.00	15.58	999.00	0.00	389.5 (1-Lane)

1.900	74.29	999.00	25.32	999.00	0.00	633.0 (2-Lane)
1.900	85.86	999.00	29.26	999.00	0.00	731.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	LL	LL
	1.25	1.25	(2-Lane) LL 1.80	(1-Lane) LL 1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	347.90 R	261.58	301.02 R	226.33	226.33	226.33
1.200	391.2	66.8	573.11 R	430.91	495.89 R	372.85	372.85	372.85
1.300	513.5	87.7	750.19 R	564.05	649.10 R	488.04	488.04	488.04
1.400	586.9	100.3	830.51 R	624.44	718.59 R	540.30	540.30	540.30
1.500	611.3	104.4	815.15 R	612.90	705.31 R	530.31	530.31	530.31
1.600	586.9	100.3	830.51 R	624.44	718.59 R	540.30	540.30	540.30
1.700	513.5	87.7	750.19 R	564.05	649.10 R	488.04	488.04	488.04
1.800	391.2	66.8	573.11 R	430.91	495.89 R	372.85	372.85	372.85
1.900	220.1	37.6	347.90 R	261.58	301.02 R	226.33	226.33	226.33
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: 3S2

Span	Positive Top	Moment Resistance Bending Bott.	Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: 3S2

Moment

Span	Rating top +bend	Factor fiber -bend	bottom fiber +bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.59	999.00	16.59	0.00	663.6 (2-Lane)
1.100	19.17	999.00	19.17	0.00	766.9 (1-Lane)
1.200	9.69	999.00	9.69	0.00	387.7 (2-Lane)
1.200	11.20	999.00	11.20	0.00	448.1 (1-Lane)
1.300	7.22	999.00	7.22	0.00	288.6 (2-Lane)
1.300	8.34	999.00	8.34	0.00	333.5 (1-Lane)

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1.400	6.41	999.00	6.41	999.00	0.00 256.5 (2-Lane)
1.400	7.41	999.00	7.41	999.00	0.00 296.5 (1-Lane)
1.500	6.50	999.00	6.50	999.00	0.00 260.0 (2-Lane)
1.500	7.51	999.00	7.51	999.00	0.00 300.5 (1-Lane)
1.600	6.41	999.00	6.41	999.00	0.00 256.5 (2-Lane)
1.600	7.41	999.00	7.41	999.00	0.00 296.5 (1-Lane)
1.700	7.22	999.00	7.22	999.00	0.00 288.6 (2-Lane)
1.700	8.34	999.00	8.34	999.00	0.00 333.5 (1-Lane)
1.800	9.69	999.00	9.69	999.00	0.00 387.7 (2-Lane)
1.800	11.20	999.00	11.20	999.00	0.00 448.1 (1-Lane)
1.900	16.55	999.00	16.55	999.00	0.00 661.8 (2-Lane)
1.900	19.12	999.00	19.12	999.00	0.00 764.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00 999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	46.82	35.20	47.00	35.34
1.100	36.9	5.9	54.09	40.67	54.31	40.84
1.200	25.8	4.4	44.56	33.50	44.74	33.64
1.300	17.2	2.9	35.33	26.57	35.48	26.67
1.400	8.6	1.5	27.44	20.63	27.55	20.72
1.500	0.0	0.0	19.69	14.81	19.77	14.87
1.600	-8.6	-1.5	-27.44	-20.63	-27.55	-20.72
1.700	-17.2	-2.9	-35.33	-26.57	-35.48	-26.67
1.800	-25.8	-4.4	-44.56	-33.50	-44.74	-33.64
1.900	-34.4	-5.9	-54.09	-40.67	-54.31	-40.84
1.949	-38.6	-13.2	-58.73	-44.16	-58.97	-44.34
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: 3S2

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	77.0	30.2	107.2	-117.3	97.1 (2-Lane)
1.400	81.7	30.2	112.0	-122.0	101.9 (1-Lane)
1.500	41.9	47.7	89.5	-89.5	89.5 (2-Lane)
1.500	44.3	47.7	91.9	-91.9	91.9 (1-Lane)
1.600	77.0	30.2	107.2	-97.1	117.3 (2-Lane)
1.600	81.7	30.2	112.0	-101.9	122.0 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3433
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3S2

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	250.83	3.31	0.00	132.6 (2-Lane)
1.051	249.82	3.30	0.00	132.0 (1-Lane)
1.100	102.96	3.42	0.00	136.7 (2-Lane)
1.100	102.55	3.40	0.00	136.2 (1-Lane)
1.200	30.81	3.26	0.00	130.4 (2-Lane)
1.200	30.68	3.25	0.00	129.9 (1-Lane)
1.300	19.15	4.68	0.00	187.0 (2-Lane)
1.300	19.07	4.66	0.00	186.2 (1-Lane)
1.400	7.93	3.54	0.00	141.6 (2-Lane)
1.400	8.22	3.70	0.00	147.9 (1-Lane)
1.500	4.55	4.55	0.00	181.9 (2-Lane)
1.500	4.65	4.65	0.00	186.0 (1-Lane)
1.600	3.54	7.93	0.00	141.6 (2-Lane)
1.600	3.70	8.22	0.00	147.9 (1-Lane)
1.700	4.68	19.15	0.00	187.0 (2-Lane)
1.700	4.66	19.07	0.00	186.2 (1-Lane)
1.800	3.26	30.81	0.00	130.4 (2-Lane)
1.800	3.25	30.68	0.00	129.9 (1-Lane)
1.900	3.52	103.18	0.00	140.7 (2-Lane)
1.900	3.50	102.76	0.00	140.1 (1-Lane)
1.949	2.69	251.10	0.00	107.5 (2-Lane)
1.949	2.68	250.10	0.00	107.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LG
Rating Live Load: 3S2

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
1.100	204.7	37.6	154.62 R	116.26	133.78 R	100.59	100.59	100.59	100.59
1.200	391.2	66.8	254.72 R	191.52	220.39 R	165.71	165.71	165.71	165.71
1.300	513.5	87.7	333.42 R	250.69	288.49 R	216.91	216.91	216.91	216.91
1.400	586.9	100.3	369.11 R	277.53	319.38 R	240.13	240.13	240.13	240.13
1.500	611.3	104.4	362.29 R	272.40	313.47 R	235.69	235.69	235.69	235.69
1.600	586.9	100.3	369.11 R	277.53	319.38 R	240.13	240.13	240.13	240.13
1.700	513.5	87.7	333.42 R	250.69	288.49 R	216.91	216.91	216.91	216.91
1.800	391.2	66.8	254.72 R	191.52	220.39 R	165.71	165.71	165.71	165.71
1.900	220.1	37.6	154.62 R	116.26	133.78 R	100.59	100.59	100.59	100.59
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00	0.00

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SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3S2

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL S

Rating Live Load: 3S2

Service

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	63.14	999.00	21.55	999.00	0.00	862.1 (2-Lane)
1.100	72.98	999.00	24.91	999.00	0.00	999.0 (1-Lane)
1.200	35.30	999.00	12.06	999.00	0.00	482.6 (2-Lane)
1.200	40.79	999.00	13.94	999.00	0.00	557.7 (1-Lane)
1.300	25.37	999.00	8.69	999.00	0.00	347.7 (2-Lane)
1.300	29.32	999.00	10.05	999.00	0.00	401.9 (1-Lane)
1.400	22.06	999.00	7.57	999.00	0.00	302.8 (2-Lane)
1.400	25.49	999.00	8.75	999.00	0.00	349.9 (1-Lane)
1.500	22.18	999.00	7.61	999.00	0.00	304.6 (2-Lane)
1.500	25.63	999.00	8.80	999.00	0.00	352.0 (1-Lane)
1.600	22.06	999.00	7.57	999.00	0.00	302.8 (2-Lane)
1.600	25.49	999.00	8.75	999.00	0.00	349.9 (1-Lane)
1.700	25.37	999.00	8.69	999.00	0.00	347.7 (2-Lane)
1.700	29.32	999.00	10.05	999.00	0.00	401.9 (1-Lane)
1.800	35.30	999.00	12.06	999.00	0.00	482.6 (2-Lane)
1.800	40.79	999.00	13.94	999.00	0.00	557.7 (1-Lane)
1.900	62.95	999.00	21.45	999.00	0.00	858.2 (2-Lane)
1.900	72.76	999.00	24.80	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.80	1.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	37.6	298.57 R	224.49	258.34 R	194.24
1.200	391.2	66.8	492.87 R	370.58	426.46 R	320.64
1.300	513.5	87.7	617.46 R	464.26	534.26 R	401.70
1.400	586.9	100.3	648.57 R	487.65	561.18 R	421.94
1.500	611.3	104.4	687.75 R	517.10	595.07 R	447.42
1.600	586.9	100.3	648.57 R	487.65	561.18 R	421.94
1.700	513.5	87.7	617.46 R	464.26	534.26 R	401.70
1.800	391.2	66.8	492.87 R	370.58	426.46 R	320.64
1.900	220.1	37.6	298.57 R	224.49	258.34 R	194.24
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3-3

Span	Moment Positive	Resistance Bending	Moment Negative	Resistance Bending	Available Resistance for LL+I Positive Bending	Negative Bending
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	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3-3

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.33	999.00	19.33	999.00	0.00	773.2 (2-Lane)
1.100	22.34	999.00	22.34	999.00	0.00	893.6 (1-Lane)
1.200	11.27	999.00	11.27	999.00	0.00	450.9 (2-Lane)
1.200	13.03	999.00	13.03	999.00	0.00	521.1 (1-Lane)
1.300	8.77	999.00	8.77	999.00	0.00	350.6 (2-Lane)
1.300	10.13	999.00	10.13	999.00	0.00	405.2 (1-Lane)
1.400	8.21	999.00	8.21	999.00	0.00	328.5 (2-Lane)
1.400	9.49	999.00	9.49	999.00	0.00	379.7 (1-Lane)
1.500	7.70	999.00	7.70	999.00	0.00	308.1 (2-Lane)
1.500	8.90	999.00	8.90	999.00	0.00	356.1 (1-Lane)
1.600	8.21	999.00	8.21	999.00	0.00	328.5 (2-Lane)
1.600	9.49	999.00	9.49	999.00	0.00	379.7 (1-Lane)
1.700	8.77	999.00	8.77	999.00	0.00	350.6 (2-Lane)
1.700	10.13	999.00	10.13	999.00	0.00	405.2 (1-Lane)
1.800	11.27	999.00	11.27	999.00	0.00	450.9 (2-Lane)
1.800	13.03	999.00	13.03	999.00	0.00	521.1 (1-Lane)
1.900	19.28	999.00	19.28	999.00	0.00	771.1 (2-Lane)
1.900	22.28	999.00	22.28	999.00	0.00	891.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: 3-3

Gamma	DC 1.25	DW 1.25	(2-Lane) LL 1.80		(1-Lane) LL 1.80	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	50.37	37.87	50.57	38.02
1.100	36.9	5.9	46.43	34.91	46.61	35.05
1.200	25.8	4.4	38.32	28.81	38.47	28.93
1.300	17.2	2.9	30.21	22.72	30.33	22.81
1.400	8.6	1.5	23.58	17.73	23.67	17.80
1.500	0.0	0.0	18.33	13.79	18.41	13.84
1.600	-8.6	-1.5	-23.58	-17.73	-23.68	-17.80
1.700	-17.2	-2.9	-30.21	-22.72	-30.33	-22.81
1.800	-25.8	-4.4	-38.32	-28.81	-38.47	-28.93
1.900	-34.4	-5.9	-46.43	-34.91	-46.61	-35.05
1.949	-38.6	-13.2	-50.37	-37.87	-50.57	-38.02
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
Rating Type: I-LEGL
Rating Live Load: 3-3

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn		(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	78.1	30.2	108.3	-118.4	98.2 (2-Lane)
1.400	82.4	30.2	112.6	-122.7	102.5 (1-Lane)
1.500	42.3	47.7	90.0	-90.0	90.0 (2-Lane)
1.500	44.6	47.7	92.2	-92.2	92.2 (1-Lane)
1.600	78.1	30.2	108.3	-98.2	118.4 (2-Lane)
1.600	82.4	30.2	112.6	-102.5	122.7 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
Rating Type: I-LEGL
Rating Live Load: 3-3

Span	Rating	Factor	Rating	Load	
	(-)	(+)	Value	Resistance	
				(tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	304.58	3.08	0.00	123.2	(2-Lane)
1.051	303.36	3.07	0.00	122.7	(1-Lane)
1.100	125.03	3.98	0.00	159.3	(2-Lane)
1.100	124.53	3.97	0.00	158.7	(1-Lane)
1.200	37.41	3.79	0.00	151.7	(2-Lane)
1.200	37.26	3.78	0.00	151.0	(1-Lane)
1.300	23.25	5.47	0.00	218.7	(2-Lane)
1.300	23.16	5.45	0.00	217.8	(1-Lane)
1.400	9.05	4.17	0.00	166.6	(2-Lane)
1.400	9.33	4.33	0.00	173.2	(1-Lane)
1.500	4.91	4.91	0.00	196.3	(2-Lane)
1.500	5.01	5.01	0.00	200.4	(1-Lane)
1.600	4.17	9.05	0.00	166.6	(2-Lane)
1.600	4.33	9.33	0.00	173.2	(1-Lane)
1.700	5.47	23.25	0.00	218.7	(2-Lane)
1.700	5.45	23.16	0.00	217.8	(1-Lane)
1.800	3.79	37.41	0.00	151.7	(2-Lane)
1.800	3.78	37.26	0.00	151.0	(1-Lane)
1.900	4.10	125.29	0.00	163.9	(2-Lane)
1.900	4.08	124.78	0.00	163.3	(1-Lane)
1.949	3.13	304.91	0.00	125.4	(2-Lane)
1.949	3.12	303.69	0.00	124.9	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3442

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18
Rating Type: III-LG
Rating Live Load: 3-3

(2-Lane)

(1-Lane)

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	37.6	132.70 R	99.77	114.82 R	86.33
1.200	391.2	66.8	219.05 R	164.70	189.54 R	142.51
1.300	513.5	87.7	274.43 R	206.34	237.45 R	178.53
1.400	586.9	100.3	288.25 R	216.73	249.41 R	187.53
1.500	611.3	104.4	305.67 R	229.82	264.48 R	198.85
1.600	586.9	100.3	288.25 R	216.73	249.41 R	187.53
1.700	513.5	87.7	274.43 R	206.34	237.45 R	178.53
1.800	391.2	66.8	219.05 R	164.70	189.54 R	142.51
1.900	220.1	37.6	132.70 R	99.77	114.82 R	86.33
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3442

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: 3-3

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.

1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL S
Rating Live Load: 3-3

Service

Span	Rating Factor				Rating Value	Load Resistance (tons)
	top fiber +bend	bottom fiber -bend	bottom fiber +bend	top fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	73.57	999.00	25.11	999.00	0.00	999.0 (2-Lane)
1.100	85.03	999.00	29.02	999.00	0.00	999.0 (1-Lane)
1.200	41.04	999.00	14.03	999.00	0.00	561.1 (2-Lane)
1.200	47.43	999.00	16.21	999.00	0.00	648.5 (1-Lane)
1.300	30.83	999.00	10.56	999.00	0.00	422.5 (2-Lane)
1.300	35.63	999.00	12.21	999.00	0.00	488.3 (1-Lane)
1.400	28.24	999.00	9.69	999.00	0.00	387.7 (2-Lane)
1.400	32.64	999.00	11.20	999.00	0.00	448.1 (1-Lane)
1.500	26.29	999.00	9.03	999.00	0.00	361.0 (2-Lane)
1.500	30.38	999.00	10.43	999.00	0.00	417.3 (1-Lane)
1.600	28.24	999.00	9.69	999.00	0.00	387.7 (2-Lane)
1.600	32.64	999.00	11.20	999.00	0.00	448.1 (1-Lane)
1.700	30.83	999.00	10.56	999.00	0.00	422.5 (2-Lane)
1.700	35.63	999.00	12.21	999.00	0.00	488.3 (1-Lane)
1.800	41.04	999.00	14.03	999.00	0.00	561.1 (2-Lane)
1.800	47.43	999.00	16.21	999.00	0.00	648.5 (1-Lane)
1.900	73.35	999.00	25.00	999.00	0.00	999.0 (2-Lane)
1.900	84.78	999.00	28.89	999.00	0.00	999.0 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU4

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.25	1.25	1.60	1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	289.46 R	217.64	250.46 R	188.31	250.46	188.31
1.200	391.2	66.8	505.32 R	379.94	437.23 R	328.74	437.23	328.74
1.300	513.5	87.7	647.57 R	486.89	560.31 R	421.28	560.31	421.28
1.400	586.9	100.3	738.29 R	555.11	638.81 R	480.31	638.81	480.31
1.500	611.3	104.4	759.25 R	570.87	656.94 R	493.94	656.94	493.94
1.600	586.9	100.3	738.29 R	555.11	638.81 R	480.31	638.81	480.31
1.700	513.5	87.7	647.57 R	486.89	560.31 R	421.28	560.31	421.28
1.800	391.2	66.8	505.32 R	379.94	437.23 R	328.74	437.23	328.74
1.900	220.1	37.6	289.46 R	217.64	250.46 R	188.31	250.46	188.31
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU4

Span	Positive Top	Moment Bending Bott.	Resistance Negative Top	Bending Bott.	Available Resistance for LL+I Positive Bending Top	Negative Bending Bott.	Top	Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU4

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	19.94	999.00	19.94	999.00	0.00	538.3 (2-Lane)
1.100	23.04	999.00	23.04	999.00	0.00	622.2 (1-Lane)
1.200	10.99	999.00	10.99	999.00	0.00	296.8 (2-Lane)
1.200	12.71	999.00	12.71	999.00	0.00	343.1 (1-Lane)
1.300	8.36	999.00	8.36	999.00	0.00	225.7 (2-Lane)
1.300	9.66	999.00	9.66	999.00	0.00	260.8 (1-Lane)
1.400	7.22	999.00	7.22	999.00	0.00	194.8 (2-Lane)
1.400	8.34	999.00	8.34	999.00	0.00	225.1 (1-Lane)
1.500	6.98	999.00	6.98	999.00	0.00	188.4 (2-Lane)
1.500	8.06	999.00	8.06	999.00	0.00	217.7 (1-Lane)
1.600	7.22	999.00	7.22	999.00	0.00	194.8 (2-Lane)
1.600	8.34	999.00	8.34	999.00	0.00	225.1 (1-Lane)

1.700	8.36	999.00	8.36	999.00	0.00	225.7 (2-Lane)
1.700	9.66	999.00	9.66	999.00	0.00	260.8 (1-Lane)
1.800	10.99	999.00	10.99	999.00	0.00	296.8 (2-Lane)
1.800	12.71	999.00	12.71	999.00	0.00	343.1 (1-Lane)
1.900	19.89	999.00	19.89	999.00	0.00	536.9 (2-Lane)
1.900	22.98	999.00	22.98	999.00	0.00	620.5 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU4

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	47.79	35.93	47.98	36.08
1.100	36.9	5.9	45.01	33.84	45.19	33.98
1.200	25.8	4.4	39.29	29.54	39.44	29.66
1.300	17.2	2.9	33.56	25.24	33.70	25.34
1.400	8.6	1.5	27.84	20.93	27.95	21.02
1.500	0.0	0.0	22.12	16.63	22.21	16.70
1.600	-8.6	-1.5	-27.84	-20.93	-27.95	-21.02
1.700	-17.2	-2.9	-33.56	-25.24	-33.70	-25.34
1.800	-25.8	-4.4	-39.29	-29.54	-39.44	-29.66
1.900	-34.4	-5.9	-45.01	-33.84	-45.19	-33.98
1.949	-38.6	-13.2	-47.79	-35.93	-47.98	-36.08
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU4

	Shear Resistance			Available Resistance for LL+I	
	Vc	Vs	Vn	(-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	81.3	30.2	111.6	-121.6	101.5 (2-Lane)
1.400	86.2	30.2	116.4	-126.5	106.3 (1-Lane)
1.500	46.8	47.7	94.4	-94.4	94.4 (2-Lane)
1.500	49.5	47.7	97.1	-97.1	97.1 (1-Lane)
1.600	81.3	30.2	111.6	-101.5	121.7 (2-Lane)
1.600	86.2	30.2	116.4	-106.3	126.5 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU4

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
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1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	282.18	3.25	0.00	87.7 (2-Lane)
1.051	281.05	3.23	0.00	87.3 (1-Lane)
1.100	115.83	4.11	0.00	110.9 (2-Lane)
1.100	115.37	4.09	0.00	110.5 (1-Lane)
1.200	31.96	3.70	0.00	99.8 (2-Lane)
1.200	31.83	3.68	0.00	99.4 (1-Lane)
1.300	18.87	4.92	0.00	132.9 (2-Lane)
1.300	18.80	4.90	0.00	132.3 (1-Lane)
1.400	7.42	3.64	0.00	98.4 (2-Lane)
1.400	7.68	3.80	0.00	102.7 (1-Lane)
1.500	4.27	4.27	0.00	115.3 (2-Lane)
1.500	4.37	4.37	0.00	118.1 (1-Lane)
1.600	3.64	7.42	0.00	98.4 (2-Lane)
1.600	3.80	7.68	0.00	102.7 (1-Lane)
1.700	4.92	18.87	0.00	132.9 (2-Lane)
1.700	4.90	18.80	0.00	132.3 (1-Lane)
1.800	3.70	31.96	0.00	99.8 (2-Lane)
1.800	3.68	31.83	0.00	99.4 (1-Lane)
1.900	4.23	116.07	0.00	114.1 (2-Lane)
1.900	4.21	115.61	0.00	113.7 (1-Lane)
1.949	3.30	282.49	0.00	89.2 (2-Lane)
1.949	3.29	281.36	0.00	88.9 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3450

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LG
Rating Live Load: SU4

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00 R	0.00	0.00
1.100	204.7	37.6	144.73 R	108.82	125.23 R	94.16			
1.200	391.2	66.8	252.66 R	189.97	218.61 R	164.37			
1.300	513.5	87.7	323.78 R	243.45	280.15 R	210.64			
1.400	586.9	100.3	369.15 R	277.55	319.40 R	240.15			
1.500	611.3	104.4	379.63 R	285.43	328.47 R	246.97			
1.600	586.9	100.3	369.15 R	277.55	319.40 R	240.15			
1.700	513.5	87.7	323.78 R	243.45	280.15 R	210.64			
1.800	391.2	66.8	252.66 R	189.97	218.61 R	164.37			
1.900	220.1	37.6	144.73 R	108.82	125.23 R	94.16			
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00			
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00			

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3450

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU4
Rating Live Load:

Span	Service Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL S

Rating Live Load: SU4

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating fiber -bend	Factor bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	67.46	999.00	23.02	999.00	0.00	621.7 (2-Lane)
1.100	77.96	999.00	26.61	999.00	0.00	718.5 (1-Lane)
1.200	35.58	999.00	12.16	999.00	0.00	328.4 (2-Lane)
1.200	41.12	999.00	14.06	999.00	0.00	379.5 (1-Lane)
1.300	26.13	999.00	8.95	999.00	0.00	241.7 (2-Lane)
1.300	30.20	999.00	10.35	999.00	0.00	279.3 (1-Lane)
1.400	22.05	999.00	7.57	999.00	0.00	204.3 (2-Lane)
1.400	25.49	999.00	8.75	999.00	0.00	236.2 (1-Lane)
1.500	21.17	999.00	7.27	999.00	0.00	196.2 (2-Lane)
1.500	24.46	999.00	8.40	999.00	0.00	226.8 (1-Lane)
1.600	22.05	999.00	7.57	999.00	0.00	204.3 (2-Lane)
1.600	25.49	999.00	8.75	999.00	0.00	236.2 (1-Lane)
1.700	26.13	999.00	8.95	999.00	0.00	241.7 (2-Lane)
1.700	30.20	999.00	10.35	999.00	0.00	279.3 (1-Lane)
1.800	35.58	999.00	12.16	999.00	0.00	328.4 (2-Lane)
1.800	41.12	999.00	14.06	999.00	0.00	379.5 (1-Lane)
1.900	67.25	999.00	22.92	999.00	0.00	618.8 (2-Lane)
1.900	77.73	999.00	26.49	999.00	0.00	715.2 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3452

MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU5

Gamma	DC		DW		(2-Lane) LL		(1-Lane) LL	
	1.25	1.25	1.25	1.25	1.60	1.60	1.60	1.60
Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00
1.051	105.2	0.0	0.00 R		0.00	0.00 R		0.00
1.100	204.7	37.6	321.25 R		241.54	277.96 R		208.99
1.200	391.2	66.8	557.99 R		419.54	482.80 R		363.01
1.300	513.5	87.7	717.90 R		539.77	621.16 R		467.04
1.400	586.9	100.3	815.38 R		613.07	705.51 R		530.46
1.500	611.3	104.4	828.35 R		622.82	716.73 R		538.89
1.600	586.9	100.3	815.38 R		613.07	705.51 R		530.46
1.700	513.5	87.7	717.90 R		539.77	621.16 R		467.04
1.800	391.2	66.8	557.99 R		419.54	482.80 R		363.01
1.900	220.1	37.6	321.25 R		241.54	277.96 R		208.99
1.949	113.1	0.0	0.00 R		0.00	0.00 R		0.00
2.000	0.0	0.0	0.00 R		0.00	0.00 R		0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3453

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU5

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2

9999999_20120831cy17_FlexuralRpt.txt								
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3454
 MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G18
 Rating Type: I-LEGL
 Rating Live Load: SU5

Moment								
Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.051	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
1.100	17.97	999.00	17.97	999.00	0.00	556.9	(2-Lane)	
1.100	20.76	999.00	20.76	999.00	0.00	643.7	(1-Lane)	
1.200	9.96	999.00	9.96	999.00	0.00	308.7	(2-Lane)	
1.200	11.51	999.00	11.51	999.00	0.00	356.7	(1-Lane)	
1.300	7.54	999.00	7.54	999.00	0.00	233.7	(2-Lane)	
1.300	8.71	999.00	8.71	999.00	0.00	270.1	(1-Lane)	
1.400	6.53	999.00	6.53	999.00	0.00	202.5	(2-Lane)	
1.400	7.55	999.00	7.55	999.00	0.00	234.0	(1-Lane)	
1.500	6.40	999.00	6.40	999.00	0.00	198.3	(2-Lane)	
1.500	7.39	999.00	7.39	999.00	0.00	229.1	(1-Lane)	
1.600	6.53	999.00	6.53	999.00	0.00	202.5	(2-Lane)	
1.600	7.55	999.00	7.55	999.00	0.00	234.0	(1-Lane)	
1.700	7.54	999.00	7.54	999.00	0.00	233.7	(2-Lane)	
1.700	8.71	999.00	8.71	999.00	0.00	270.1	(1-Lane)	
1.800	9.96	999.00	9.96	999.00	0.00	308.7	(2-Lane)	
1.800	11.51	999.00	11.51	999.00	0.00	356.7	(1-Lane)	
1.900	17.92	999.00	17.92	999.00	0.00	555.4	(2-Lane)	
1.900	20.71	999.00	20.71	999.00	0.00	641.9	(1-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
1.949	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(2-Lane)	
2.000	999.00	999.00	999.00	999.00	0.00	999.0	(1-Lane)	

• LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3455
 SHEAR REPORT

9999999_20120831cy17_01of01								
G18								
I-LEGL								
SU5								
Gamma	DC	DW	(2-Lane)		(1-Lane)			
	1.25	1.25	LL		LL			
			1.60		1.60			
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Lane	Live Load w/o impact Truck
1.000	43.1	0.0	0.00		0.00	0.00		0.00
1.051	39.9	6.6	53.15		39.96	53.36		40.12
1.100	36.9	5.9	49.95		37.56	50.15		37.71
1.200	25.8	4.4	43.38		32.62	43.56		32.75
1.300	17.2	2.9	36.81		27.68	36.96		27.79
1.400	8.6	1.5	30.24		22.74	30.36		22.83
1.500	0.0	0.0	23.67		17.80	23.77		17.87
1.600	-8.6	-1.5	-30.24		-22.74	-30.36		-22.83
1.700	-17.2	-2.9	-36.81		-27.68	-36.96		-27.79
1.800	-25.8	-4.4	-43.38		-32.62	-43.56		-32.75
1.900	-34.4	-5.9	-49.95		-37.56	-50.15		-37.71
1.949	-38.6	-13.2	-53.15		-39.96	-53.36		-40.12
2.000	-43.1	0.0	0.00		0.00	0.00		0.00

• LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3456
 STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01
 Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU5

	Shear	Resistance		Available Resistance for LL+I	
Vc	Vs	Vn	(-)	(+)	
1.000	0.0	0.0	0.0	0.0	(2-Lane)
1.000	0.0	0.0	0.0	0.0	(1-Lane)
1.051	71.0	137.2	-261.3	155.1	(2-Lane)
1.051	71.0	137.2	-261.3	155.1	(1-Lane)
1.100	79.0	148.6	-270.4	184.9	(2-Lane)
1.100	79.0	148.6	-270.4	184.9	(1-Lane)
1.200	93.9	81.6	-205.8	145.3	(2-Lane)
1.200	93.9	81.6	-205.8	145.3	(1-Lane)
1.300	103.8	81.6	-205.5	165.2	(2-Lane)
1.300	103.8	81.6	-205.5	165.2	(1-Lane)
1.400	81.9	30.2	-122.2	102.0	(2-Lane)
1.400	87.0	30.2	-127.3	107.1	(1-Lane)
1.500	47.5	47.7	-95.2	95.2	(2-Lane)
1.500	50.4	47.7	-98.1	98.1	(1-Lane)
1.600	81.9	30.2	-102.0	122.2	(2-Lane)
1.600	87.0	30.2	-107.1	127.3	(1-Lane)
1.700	103.8	81.6	-165.2	205.5	(2-Lane)
1.700	103.8	81.6	-165.2	205.5	(1-Lane)
1.800	93.9	81.6	-145.3	205.8	(2-Lane)
1.800	93.9	81.6	-145.3	205.8	(1-Lane)
1.900	80.2	150.4	-190.3	270.9	(2-Lane)
1.900	80.2	150.4	-190.3	270.9	(1-Lane)
1.949	71.6	138.1	-157.9	261.6	(2-Lane)
1.949	71.6	138.1	-157.9	261.6	(1-Lane)
2.000	0.0	0.0	0.0	0.0	(2-Lane)
2.000	0.0	0.0	0.0	0.0	(1-Lane)

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STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU5

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)	
1.000	999.00	999.00	0.00	999.0	(2-Lane)
1.000	999.00	999.00	0.00	999.0	(1-Lane)
1.051	282.18	2.92	0.00	90.5	(2-Lane)
1.051	281.05	2.91	0.00	90.1	(1-Lane)
1.100	115.83	3.70	0.00	114.7	(2-Lane)
1.100	115.37	3.69	0.00	114.3	(1-Lane)
1.200	31.96	3.35	0.00	103.8	(2-Lane)
1.200	31.83	3.34	0.00	103.4	(1-Lane)
1.300	17.65	4.49	0.00	139.1	(2-Lane)
1.300	17.58	4.47	0.00	138.5	(1-Lane)
1.400	7.14	3.37	0.00	104.6	(2-Lane)
1.400	7.41	3.53	0.00	109.4	(1-Lane)
1.500	4.02	4.02	0.00	124.7	(2-Lane)
1.500	4.13	4.13	0.00	127.9	(1-Lane)
1.600	3.37	7.15	0.00	104.6	(2-Lane)
1.600	3.53	7.41	0.00	109.4	(1-Lane)
1.700	4.49	17.65	0.00	139.1	(2-Lane)
1.700	4.47	17.58	0.00	138.5	(1-Lane)
1.800	3.35	31.96	0.00	103.8	(2-Lane)
1.800	3.34	31.83	0.00	103.4	(1-Lane)
1.900	3.81	116.07	0.00	118.1	(2-Lane)
1.900	3.79	115.61	0.00	117.6	(1-Lane)
1.949	2.97	282.49	0.00	92.1	(2-Lane)
1.949	2.96	281.36	0.00	91.7	(1-Lane)
2.000	999.00	999.00	0.00	999.0	(2-Lane)
2.000	999.00	999.00	0.00	999.0	(1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3458

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LG
Rating Live Load: SU5

Gamma		DC	DW	(2-Lane)	(1-Lane)	
		1.00	1.00	LL	LL	
				0.80	0.80	
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

9999999_20120831cy17_FlexuralRpt.txt						
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	37.6	160.63 R	120.77	138.98 R	104.50
1.200	391.2	66.8	278.99 R	209.77	241.40 R	181.50
1.300	513.5	87.7	358.95 R	269.89	310.58 R	233.52
1.400	586.9	100.3	407.69 R	306.53	352.75 R	265.23
1.500	611.3	104.4	414.18 R	311.41	358.37 R	269.45
1.600	586.9	100.3	407.69 R	306.53	352.75 R	265.23
1.700	513.5	87.7	358.95 R	269.89	310.58 R	233.52
1.800	391.2	66.8	278.99 R	209.77	241.40 R	181.50
1.900	220.1	37.6	160.63 R	120.77	138.98 R	104.50
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE REPORT

Structure I. D.		9999999_20120831cy17_01of01						
Member I. D.		G18						
Rating Type:		III-LGL						
Rating Live Load:		STRESSES						
Rating Type:		SU5						
Rating Live Load:								
Span		Service Resistance			Available Resistance for LL+I			
		Positive	Bending	Negative	Positive	Bending	Negative	Bending
		Top	Bott.	Top	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09

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SERVICE RESISTANCE RATING REPORT

Structure I. D.		9999999_20120831cy17_01of01						
Member I. D.		G18						
Rating Type:		III-LGL S						
Rating Live Load:		SU5						
		Service						
Span		top fiber	Rating Factor	bottom fiber	Rating Value	Load Resistance		
		+bend	-bend	+bend		(tons)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)		
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)		
1.100	60.78	999.00	20.75	999.00	0.00	643.1 (2-Lane)		
1.100	70.25	999.00	23.98	999.00	0.00	743.3 (1-Lane)		
1.200	32.22	999.00	11.01	999.00	0.00	341.4 (2-Lane)		
1.200	37.24	999.00	12.73	999.00	0.00	394.6 (1-Lane)		
1.300	23.57	999.00	8.07	999.00	0.00	250.3 (2-Lane)		
1.300	27.24	999.00	9.33	999.00	0.00	289.3 (1-Lane)		
1.400	19.97	999.00	6.85	999.00	0.00	212.4 (2-Lane)		
1.400	23.08	999.00	7.92	999.00	0.00	245.5 (1-Lane)		
1.500	19.40	999.00	6.66	999.00	0.00	206.5 (2-Lane)		
1.500	22.42	999.00	7.70	999.00	0.00	238.7 (1-Lane)		
1.600	19.97	999.00	6.85	999.00	0.00	212.4 (2-Lane)		
1.600	23.08	999.00	7.92	999.00	0.00	245.5 (1-Lane)		
1.700	23.57	999.00	8.07	999.00	0.00	250.3 (2-Lane)		
1.700	27.24	999.00	9.33	999.00	0.00	289.3 (1-Lane)		
1.800	32.22	999.00	11.01	999.00	0.00	341.4 (2-Lane)		
1.800	37.24	999.00	12.73	999.00	0.00	394.6 (1-Lane)		
1.900	60.60	999.00	20.65	999.00	0.00	640.2 (2-Lane)		
1.900	70.04	999.00	23.87	999.00	0.00	739.9 (1-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)		
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)		
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)		

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LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma	DC	DW	(2-Lane)	(1-Lane)
	1.25	1.25	LL 1.60	LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	37.6	339.05 R	254.92	293.36 R	220.57
1.200	391.2	66.8	611.69 R	459.92	529.26 R	397.94
1.300	513.5	87.7	794.64 R	597.47	687.56 R	516.96
1.400	586.9	100.3	896.29 R	673.90	775.52 R	583.09
1.500	611.3	104.4	923.14 R	694.09	798.74 R	600.56
1.600	586.9	100.3	896.29 R	673.90	775.52 R	583.09
1.700	513.5	87.7	794.64 R	597.47	687.56 R	516.96
1.800	391.2	66.8	611.69 R	459.92	529.26 R	397.94
1.900	220.1	37.6	339.05 R	254.92	293.36 R	220.57
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3461

STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment Resistance		Negative Bending		Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU6

Span	Moment				Rating Value	Load Resistance (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	17.02	999.00	17.02	999.00	0.00	591.5 (2-Lane)
1.100	19.67	999.00	19.67	999.00	0.00	683.7 (1-Lane)
1.200	9.08	999.00	9.08	999.00	0.00	315.6 (2-Lane)
1.200	10.50	999.00	10.50	999.00	0.00	364.8 (1-Lane)
1.300	6.81	999.00	6.81	999.00	0.00	236.7 (2-Lane)
1.300	7.87	999.00	7.87	999.00	0.00	273.6 (1-Lane)
1.400	5.94	999.00	5.94	999.00	0.00	206.5 (2-Lane)
1.400	6.87	999.00	6.87	999.00	0.00	238.7 (1-Lane)
1.500	5.74	999.00	5.74	999.00	0.00	199.4 (2-Lane)
1.500	6.63	999.00	6.63	999.00	0.00	230.5 (1-Lane)
1.600	5.94	999.00	5.94	999.00	0.00	206.5 (2-Lane)
1.600	6.87	999.00	6.87	999.00	0.00	238.7 (1-Lane)
1.700	6.81	999.00	6.81	999.00	0.00	236.7 (2-Lane)
1.700	7.87	999.00	7.87	999.00	0.00	273.6 (1-Lane)
1.800	9.08	999.00	9.08	999.00	0.00	315.6 (2-Lane)
1.800	10.50	999.00	10.50	999.00	0.00	364.8 (1-Lane)
1.900	16.98	999.00	16.98	999.00	0.00	589.9 (2-Lane)

1.900 19.62 999.00 19.62 999.00 9999999_20120831cy17_FlexuralRpt.txt
0.00 681.8 (1-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
1.949 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (2-Lane)
2.000 999.00 999.00 999.00 999.00 0.00 999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3463
SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU6

Gamma DC DW (2-Lane) (1-Lane)
1.25 1.25 LL 1.60 LL 1.60

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	56.30	42.33	56.53	42.50
1.100	36.9	5.9	52.72	39.64	52.93	39.80
1.200	25.8	4.4	45.35	34.10	45.54	34.24
1.300	17.2	2.9	37.99	28.56	38.14	28.68
1.400	8.6	1.5	30.62	23.03	30.75	23.12
1.500	0.0	0.0	23.26	17.49	23.35	17.56
1.600	-8.6	-1.5	-30.62	-23.03	-30.75	-23.12
1.700	-17.2	-2.9	-37.99	-28.56	-38.14	-28.68
1.800	-25.8	-4.4	-45.35	-34.10	-45.54	-34.24
1.900	-34.4	-5.9	-52.72	-39.64	-52.93	-39.80
1.949	-38.6	-13.2	-56.30	-42.33	-56.53	-42.50
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

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STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU6

	Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	79.3	30.2	109.5	-119.6	99.4 (2-Lane)
1.400	84.4	30.2	114.6	-124.7	104.5 (1-Lane)
1.500	44.9	47.7	92.6	-92.6	92.6 (2-Lane)
1.500	47.7	47.7	95.4	-95.4	95.4 (1-Lane)
1.600	79.3	30.2	109.5	-99.4	119.6 (2-Lane)
1.600	84.4	30.2	114.6	-104.5	124.7 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3465
STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL
Rating Live Load: SU6

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	417.14	2.76	0.00	95.8 (2-Lane)
1.051	415.47	2.74	0.00	95.4 (1-Lane)
1.100	195.88	3.51	0.00	121.9 (2-Lane)

1.100	195.09	3.49	0.00	121.4 (1-Lane)
1.200	40.39	3.20	0.00	111.3 (2-Lane)
1.200	40.23	3.19	0.00	110.9 (1-Lane)
1.300	19.66	4.35	0.00	151.1 (2-Lane)
1.300	19.58	4.33	0.00	150.5 (1-Lane)
1.400	7.20	3.25	0.00	112.8 (2-Lane)
1.400	7.48	3.40	0.00	118.1 (1-Lane)
1.500	3.98	3.98	0.00	138.3 (2-Lane)
1.500	4.09	4.09	0.00	141.9 (1-Lane)
1.600	3.25	7.20	0.00	112.8 (2-Lane)
1.600	3.40	7.48	0.00	118.1 (1-Lane)
1.700	4.35	19.66	0.00	151.1 (2-Lane)
1.700	4.33	19.58	0.00	150.5 (1-Lane)
1.800	3.20	40.39	0.00	111.3 (2-Lane)
1.800	3.19	40.23	0.00	110.9 (1-Lane)
1.900	3.61	196.28	0.00	125.4 (2-Lane)
1.900	3.59	195.49	0.00	124.9 (1-Lane)
1.949	2.81	417.59	0.00	97.5 (2-Lane)
1.949	2.79	415.92	0.00	97.1 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

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SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LG
Rating Live Load: SU6

Gamma	DC	DW	LL	LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/impact Truck	Live Load w/o impact Truck
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
1.100	204.7	37.6	169.53 R	127.46	146.68 R	110.29	110.29	110.29
1.200	391.2	66.8	305.85 R	229.96	264.63 R	198.97	198.97	198.97
1.300	513.5	87.7	397.32 R	298.74	343.78 R	258.48	258.48	258.48
1.400	586.9	100.3	448.15 R	336.95	387.76 R	291.55	291.55	291.55
1.500	611.3	104.4	461.57 R	347.04	399.37 R	300.28	300.28	300.28
1.600	586.9	100.3	448.15 R	336.95	387.76 R	291.55	291.55	291.55
1.700	513.5	87.7	397.32 R	298.74	343.78 R	258.48	258.48	258.48
1.800	391.2	66.8	305.85 R	229.96	264.63 R	198.97	198.97	198.97
1.900	220.1	37.6	169.52 R	127.46	146.68 R	110.29	110.29	110.29
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3466

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL
Rating Live Load: STRESSES

Rating Type: SU6

Span	Service Resistance Positive Bending Top	Service Resistance Negative Bending Bott.	Available Resistance for LL+I Positive Bending Top	Available Resistance for LL+I Negative Bending Bott.
1.000	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0
1.100	4.5	4.0	-4.5	-4.0
1.200	4.5	4.0	-4.5	-4.0
1.300	4.5	4.1	-4.5	-4.1
1.400	4.5	4.1	-4.5	-4.1
1.500	4.5	4.1	-4.5	-4.1
1.600	4.5	4.1	-4.5	-4.1
1.700	4.5	4.1	-4.5	-4.1
1.800	4.5	4.0	-4.5	-4.0
1.900	4.5	4.0	-4.5	-4.0
1.949	4.5	4.0	-4.5	-4.0
2.000	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LGL S
Rating Live Load: SU6

Span	Service				Rating Value	Load Resistance (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	57.59	999.00	19.66	999.00	0.00	683.1 (2-Lane)
1.100	66.56	999.00	22.72	999.00	0.00	789.5 (1-Lane)
1.200	29.40	999.00	10.05	999.00	0.00	349.1 (2-Lane)
1.200	33.97	999.00	11.61	999.00	0.00	403.5 (1-Lane)
1.300	21.29	999.00	7.30	999.00	0.00	253.5 (2-Lane)
1.300	24.61	999.00	8.43	999.00	0.00	293.0 (1-Lane)
1.400	18.17	999.00	6.23	999.00	0.00	216.6 (2-Lane)
1.400	21.00	999.00	7.20	999.00	0.00	250.4 (1-Lane)
1.500	17.41	999.00	5.98	999.00	0.00	207.7 (2-Lane)
1.500	20.12	999.00	6.91	999.00	0.00	240.1 (1-Lane)
1.600	18.17	999.00	6.23	999.00	0.00	216.6 (2-Lane)
1.600	21.00	999.00	7.20	999.00	0.00	250.4 (1-Lane)
1.700	21.29	999.00	7.30	999.00	0.00	253.5 (2-Lane)
1.700	24.61	999.00	8.43	999.00	0.00	293.0 (1-Lane)
1.800	29.40	999.00	10.05	999.00	0.00	349.1 (2-Lane)
1.800	33.97	999.00	11.61	999.00	0.00	403.5 (1-Lane)
1.900	57.42	999.00	19.57	999.00	0.00	680.0 (2-Lane)
1.900	66.36	999.00	22.62	999.00	0.00	785.9 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

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MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma	DC		DW		(2-Lane)		(1-Lane)	
	1.25		1.25		LL		LL	
					1.60		1.60	

Span	Dead Load	Superimposed Dead Load	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane	Live Load Truck	w/impact Lane	Live Load Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	
1.051	105.2	0.0	0.00 R		0.00	0.00 R			0.00	
1.100	204.7	37.6	354.76 R		266.73	306.95 R			230.79	
1.200	391.2	66.8	639.88 R		481.11	553.65 R			416.28	
1.300	513.5	87.7	855.37 R		643.13	740.11 R			556.47	
1.400	586.9	100.3	967.62 R		727.53	837.23 R			629.50	
1.500	611.3	104.4	1001.83 R		753.26	866.84 R			651.76	
1.600	586.9	100.3	967.62 R		727.53	837.23 R			629.50	
1.700	513.5	87.7	855.37 R		643.13	740.11 R			556.47	
1.800	391.2	66.8	639.88 R		481.11	553.65 R			416.28	
1.900	220.1	37.6	354.76 R		266.73	306.95 R			230.79	
1.949	113.1	0.0	0.00 R		0.00	0.00 R			0.00	
2.000	0.0	0.0	0.00 R		0.00	0.00 R			0.00	

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STRENGTH MOMENT RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU7

Span	Moment Resistance				Available Resistance for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
1.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0
1.051	6013.7	6013.7	0.0	0.0	5908.5	5908.5	-105.2	-105.2
1.100	6013.7	6013.7	0.0	0.0	5771.4	5771.4	-242.3	-242.3
1.200	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.300	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.400	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.500	6013.7	6013.7	0.0	0.0	5297.9	5297.9	-715.8	-715.8
1.600	6013.7	6013.7	0.0	0.0	5326.6	5326.6	-687.1	-687.1
1.700	6013.7	6013.7	0.0	0.0	5412.5	5412.5	-601.2	-601.2
1.800	6013.7	6013.7	0.0	0.0	5555.6	5555.6	-458.1	-458.1
1.900	6013.7	6013.7	0.0	0.0	5756.0	5756.0	-257.7	-257.7
1.949	6013.7	6013.7	0.0	0.0	5900.6	5900.6	-113.1	-113.1
2.000	6013.7	6013.7	0.0	0.0	6013.7	6013.7	0.0	0.0

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MOMENT RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU7

Moment

Span	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.051	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
1.100	16.27	999.00	16.27	999.00	0.00	630.4 (2-Lane)
1.100	18.80	999.00	18.80	999.00	0.00	728.6 (1-Lane)
1.200	8.68	999.00	8.68	999.00	0.00	336.4 (2-Lane)
1.200	10.03	999.00	10.03	999.00	0.00	388.8 (1-Lane)
1.300	6.33	999.00	6.33	999.00	0.00	245.2 (2-Lane)
1.300	7.31	999.00	7.31	999.00	0.00	283.4 (1-Lane)
1.400	5.51	999.00	5.51	999.00	0.00	213.3 (2-Lane)
1.400	6.36	999.00	6.36	999.00	0.00	246.5 (1-Lane)
1.500	5.29	999.00	5.29	999.00	0.00	204.9 (2-Lane)
1.500	6.11	999.00	6.11	999.00	0.00	236.8 (1-Lane)
1.600	5.51	999.00	5.51	999.00	0.00	213.3 (2-Lane)
1.600	6.36	999.00	6.36	999.00	0.00	246.5 (1-Lane)
1.700	6.33	999.00	6.33	999.00	0.00	245.2 (2-Lane)
1.700	7.31	999.00	7.31	999.00	0.00	283.4 (1-Lane)
1.800	8.68	999.00	8.68	999.00	0.00	336.4 (2-Lane)
1.800	10.03	999.00	10.03	999.00	0.00	388.8 (1-Lane)
1.900	16.23	999.00	16.23	999.00	0.00	628.7 (2-Lane)
1.900	18.75	999.00	18.75	999.00	0.00	726.6 (1-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
1.949	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3471

SHEAR REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU7

Gamma		DC	DW	(2-Lane)		(1-Lane)
		1.25	1.25	LL		LL
				1.60		1.60
Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	43.1	0.0	0.00	0.00	0.00	0.00
1.051	39.9	6.6	59.15	44.48	59.39	44.66
1.100	36.9	5.9	55.16	41.47	55.38	41.64
1.200	25.8	4.4	46.95	35.30	47.14	35.44
1.300	17.2	2.9	38.74	29.12	38.89	29.24
1.400	8.6	1.5	30.52	22.95	30.65	23.04
1.500	0.0	0.0	22.65	17.03	22.75	17.10
1.600	-8.6	-1.5	-30.52	-22.95	-30.65	-23.04
1.700	-17.2	-2.9	-38.74	-29.12	-38.89	-29.24
1.800	-25.8	-4.4	-46.95	-35.30	-47.14	-35.44
1.900	-34.4	-5.9	-55.16	-41.47	-55.38	-41.64
1.949	-38.6	-13.2	-59.15	-44.48	-59.39	-44.65
2.000	-43.1	0.0	0.00	0.00	0.00	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3472

STRENGTH SHEAR RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU7

Vc	Shear Resistance Vs	Vn	Available Resistance for LL+I (-)	(+)
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1.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
1.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (2-Lane)
1.051	71.0	137.2	208.2	-261.3	155.1 (1-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (2-Lane)
1.100	79.0	148.6	227.6	-270.4	184.9 (1-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (2-Lane)
1.200	93.9	81.6	175.5	-205.8	145.3 (1-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (2-Lane)
1.300	103.8	81.6	185.3	-205.5	165.2 (1-Lane)
1.400	76.6	30.2	106.8	-116.9	96.7 (2-Lane)
1.400	81.6	30.2	111.8	-121.9	101.7 (1-Lane)
1.500	42.6	47.7	90.3	-90.3	90.3 (2-Lane)
1.500	45.3	47.7	93.0	-93.0	93.0 (1-Lane)
1.600	76.6	30.2	106.8	-96.7	116.9 (2-Lane)
1.600	81.6	30.2	111.8	-101.7	121.9 (1-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (2-Lane)
1.700	103.8	81.6	185.3	-165.2	205.5 (1-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (2-Lane)
1.800	93.9	81.6	175.5	-145.3	205.8 (1-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (2-Lane)
1.900	80.2	150.4	230.6	-190.3	270.9 (1-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (2-Lane)
1.949	71.6	138.1	209.7	-157.9	261.6 (1-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (2-Lane)
2.000	0.0	0.0	0.0	0.0	0.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3473

STRENGTH SHEAR RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: I-LEGL

Rating Live Load: SU7

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Resistance (tons)
1.000	999.00	999.00	0.00	999.0 (2-Lane)
1.000	999.00	999.00	0.00	999.0 (1-Lane)
1.051	417.14	2.62	0.00	101.6 (2-Lane)
1.051	415.47	2.61	0.00	101.2 (1-Lane)
1.100	221.85	3.35	0.00	129.9 (2-Lane)
1.100	220.96	3.34	0.00	129.4 (1-Lane)
1.200	53.32	3.09	0.00	119.9 (2-Lane)
1.200	53.11	3.08	0.00	119.4 (1-Lane)
1.300	22.56	4.26	0.00	165.2 (2-Lane)
1.300	22.47	4.25	0.00	164.6 (1-Lane)
1.400	7.46	3.17	0.00	122.8 (2-Lane)
1.400	7.75	3.32	0.00	128.6 (1-Lane)
1.500	3.98	3.98	0.00	154.4 (2-Lane)
1.500	4.09	4.09	0.00	158.4 (1-Lane)
1.600	3.17	7.46	0.00	122.8 (2-Lane)
1.600	3.32	7.75	0.00	128.7 (1-Lane)
1.700	4.26	22.56	0.00	165.2 (2-Lane)
1.700	4.25	22.47	0.00	164.6 (1-Lane)
1.800	3.09	53.32	0.00	119.9 (2-Lane)
1.800	3.08	53.11	0.00	119.4 (1-Lane)
1.900	3.45	222.31	0.00	133.7 (2-Lane)
1.900	3.43	221.42	0.00	133.1 (1-Lane)
1.949	2.67	417.59	0.00	103.4 (2-Lane)
1.949	2.66	415.92	0.00	103.0 (1-Lane)
2.000	999.00	999.00	0.00	999.0 (2-Lane)
2.000	999.00	999.00	0.00	999.0 (1-Lane)

LOAD ANALYSIS AND RATING SYSTEM -- ASD/LFD/LRFD v5.00.06.09 PAGE 3474

SERVICE MOMENT REPORT

Structure I. D. 9999999_20120831cy17_01of01

Member I. D. G18

Rating Type: III-LG

Rating Live Load: SU7

Gamma	DC	DW	(2-Lane) LL	(1-Lane) LL
	1.00	1.00	0.80	0.80

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00
1.051	105.2	0.0	0.00 R	0.00	0.00 R	0.00
1.100	204.7	37.6	177.38 R	133.37	153.48 R	115.40
1.200	391.2	66.8	319.94 R	240.56	276.83 R	208.14
1.300	513.5	87.7	427.68 R	321.57	370.05 R	278.24
1.400	586.9	100.3	483.81 R	363.77	418.62 R	314.75
1.500	611.3	104.4	500.92 R	376.63	433.42 R	325.88
1.600	586.9	100.3	483.81 R	363.77	418.61 R	314.75
1.700	513.5	87.7	427.68 R	321.57	370.05 R	278.24

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1.800	391.2	66.8	319.94 R	240.56	276.83 R	208.14
1.900	220.1	37.6	177.38 R	133.37	153.48 R	115.40
1.949	113.1	0.0	0.00 R	0.00	0.00 R	0.00
2.000	0.0	0.0	0.00 R	0.00	0.00 R	0.00

LOAD ANALYSIS AND RATING SYSTEM -- LRFD v5.00.06.09 PAGE 3474

SERVICE RESISTANCE REPORT

Structure I. D. 9999999_20120831cy17_01of01								
Member I. D. G18								
Rating Type: III-LGL								
Rating Live Load: STRESSES								
Rating Type: SU7								
Rating Live Load: Span								
	Service Resistance				Available Resistance for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0
1.051	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
1.100	4.5	4.0	-4.5	-4.0	4.1	3.7	-4.9	-4.4
1.200	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.300	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.400	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.500	4.5	4.1	-4.5	-4.1	3.3	3.0	-5.9	-5.2
1.600	4.5	4.1	-4.5	-4.1	3.4	3.1	-5.8	-5.1
1.700	4.5	4.1	-4.5	-4.1	3.5	3.2	-5.7	-5.0
1.800	4.5	4.0	-4.5	-4.0	3.7	3.4	-5.4	-4.8
1.900	4.5	4.0	-4.5	-4.0	4.0	3.7	-5.0	-4.4
1.949	4.5	4.0	-4.5	-4.0	4.4	3.9	-4.7	-4.2
2.000	4.4	4.0	-4.4	-4.0	4.4	4.0	-4.4	-4.0

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SERVICE RESISTANCE RATING REPORT

Structure I. D. 9999999_20120831cy17_01of01						
Member I. D. G18						
Rating Type: III-LGL S						
Rating Live Load: SU7						
Service						
Span	top fiber	Rating Factor	bottom fiber	Rating Value	Load Resistance	
	+bend	-bend	+bend -bend		(tons)	
1.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
1.051	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.051	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
1.100	55.04	999.00	18.79	0.00	728.0 (2-Lane)	
1.100	63.61	999.00	21.71	0.00	841.4 (1-Lane)	
1.200	28.10	999.00	9.60	0.00	372.2 (2-Lane)	
1.200	32.48	999.00	11.10	0.00	430.2 (1-Lane)	
1.300	19.78	999.00	6.78	0.00	262.6 (2-Lane)	
1.300	22.86	999.00	7.83	0.00	303.5 (1-Lane)	
1.400	16.83	999.00	5.77	0.00	223.8 (2-Lane)	
1.400	19.45	999.00	6.67	0.00	258.6 (1-Lane)	
1.500	16.04	999.00	5.51	0.00	213.4 (2-Lane)	
1.500	18.54	999.00	6.36	0.00	246.7 (1-Lane)	
1.600	16.83	999.00	5.77	0.00	223.8 (2-Lane)	
1.600	19.45	999.00	6.67	0.00	258.6 (1-Lane)	
1.700	19.78	999.00	6.78	0.00	262.6 (2-Lane)	
1.700	22.86	999.00	7.83	0.00	303.5 (1-Lane)	
1.800	28.10	999.00	9.60	0.00	372.2 (2-Lane)	
1.800	32.48	999.00	11.10	0.00	430.2 (1-Lane)	
1.900	54.88	999.00	18.70	0.00	724.7 (2-Lane)	
1.900	63.42	999.00	21.61	0.00	837.6 (1-Lane)	
1.949	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
1.949	999.00	999.00	999.00	0.00	999.0 (1-Lane)	
2.000	999.00	999.00	999.00	0.00	999.0 (2-Lane)	
2.000	999.00	999.00	999.00	0.00	999.0 (1-Lane)	