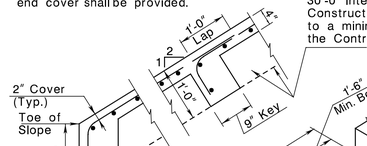
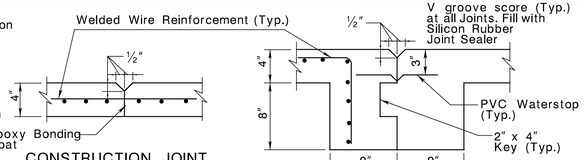
Welded wire fabric shall pass through construction joints. Splices where necessary, shall overlap a minimum of 1'-0". Reinforcement shall not pass through expansion and contraction joints and a minimum of 2" concrete end cover shall be provided.

Edge Beams required at Slope Protection limits & on both sides of Contraction and Expansion Joints. Expansion Joints required at 90'-0" intervals. Contraction Joints required at 30'-0" intervals. The number of Construction Joints shall be kept to a minimum and shall be based upon the Contractor's pouring procedure.



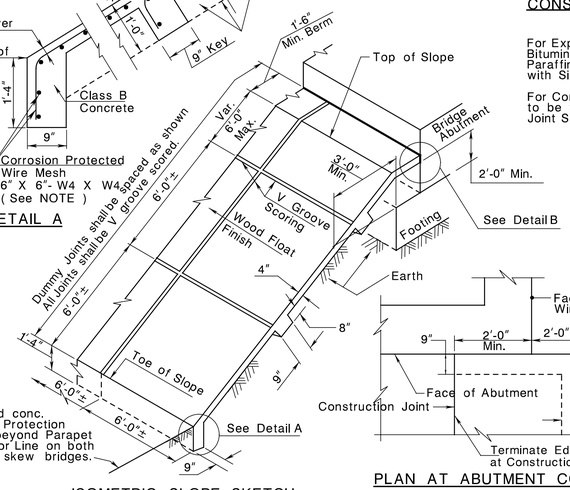


CONSTRUCTION JOINT SECTION

EXPANSION AND CONTRACTION JOINT SECTION

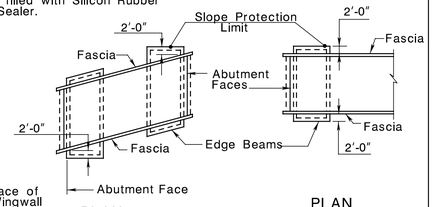
For Expansion Joints use ½" Preformed Bituminous Joint Filler. Contraction Joints Paraffin coated. Upper ½" to be filled with Silicon Rubber Joint Sealer.

For Construction Joints V Groove to be filled with Silicon Rubber Joint Sealer.



DETAIL A

ISOMETRIC SLOPE SKETCH

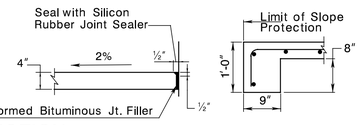


PLAN SKEW BRIDGE

PLAN 90° BRIDGE

PLAN AT ABUTMENT CORNER

SLOPE PROTECTION LIMITS

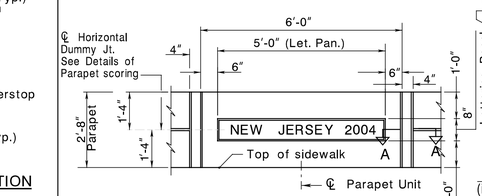


DETAIL B

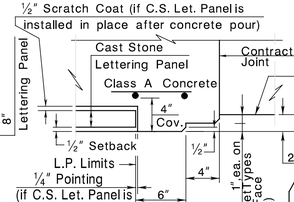
SECTION - EDGE BEAM

DETAILS OF CONCRETE SLOPE PROTECTION

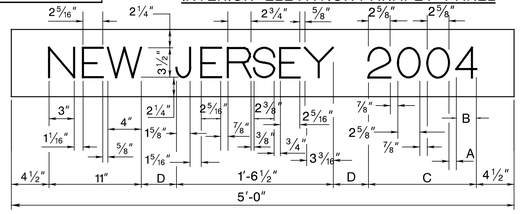
NOTE: (Refer to section 26 of this manual for types of corrosion protected reinforcement steel that can be used)



INTERIOR ELEVATION-PARAPET PANEL



SECTION A-A

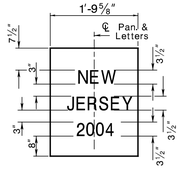


DETAIL - C.S. LET. PANEL (5'-0")

All Dimensions shown are in inches

LEGEND				
YEAR	A (IN.)	B (IN.)	C (IN.)	D (IN.)
2004	⅞	2⅝	13⅛	4⅝
2005	⅞	2⅜	12⅞	4⅝
2006	⅞	2½	13	3¾
2007	⅞	2½	13	4⅝
2008	⅞	2½	13	3¾
2009	⅞	2⅝	13⅛	3¾

Panel to be approved by the Engineer, before incorporating panel in the work.

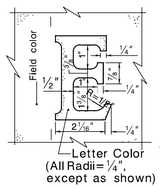


For Lettering Details, see 5'-0" Lettering Panel & legend below

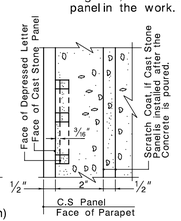
DETAIL-C.S. LET. PANEL (1'-9⅝")

All Dimensions shown are in inches

(Note: Panel Date shall be year of Bridge completion.)



ELEVATION



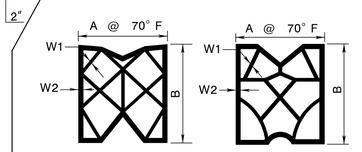
SECTION

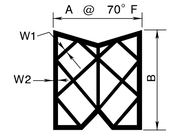
DETAILS - LETTERING

LETTERING PANEL NOTES:

Lettering panels shall be precast reinforced concrete in one piece with the exposed aggregate as per Specifications. Surface Finish for the Field shall be a medium feature exposed aggregate with a reddish-brown coloration. Surface Finish for Letters and Numbers shall be a light green crushed quartz. Samples showing desired coloration, aggregate and textures may be examined in the office of the Engineer. Care shall be used to prevent mortar discoloration of exposed surfaces of the panel. Cost of panel shall be included in price bid for concrete containing it.

DETAILS OF CAST STONE LETTERING PANELS





A = Compressed width of sealer at 70° F.
B = Compressed height of sealer at 70° F.
W1 = Interior membrane minimum thickness.
W2 = Exterior membrane minimum thickness.

PREFOR. ELASTOMERIC COMPRESSION SEALER		A	B	W1 (min.)	W2 (min.)
NOMINAL SIZE (IN.)		(IN.)	(IN.)	(IN.)	(IN.)
1¾" X 1¾"	(1)	1	(2)	1/16	3/32
2½" X 2½"	(1)	1⅝	(2)	3/32	3/16
4" X 4"	(1)	2⅝	(2)	3/16	¼

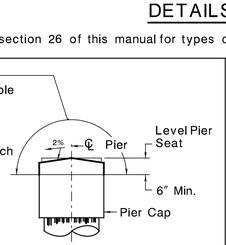
Notes:

1. The nominal height of compression seals may vary based on manufacturers specifications. The height may exceed the nominal manufacturers sealer height by not more than ¼".
2. Dimension "B" varies depending on the joint manufacturer. The depth of embedment of the compression seal in the joint shall be set by the fabricator and is equal to the compressed seal height plus ½" (± ⅛").
3. All preformed elastomeric compression seals shall conform * to the material requirements of Subsection 908.03 of the NJDOT Standard Specifications for Road and Bridge Construction with current Supplemental Specifications, as modified by the Special Provisions.

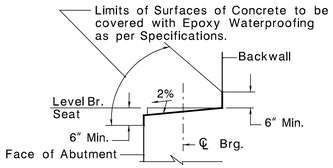
* The note should be modified to reflect applicable year and updated Specifications.

DETAILS OF PREFORMED ELASTOMERIC JOINT SEALER

Epoxy Limits
1. Full length for Simple Span.
2. From end of Pier Cap to 2'-0" inside the centerline of each Fascia Stringer for continuous deck.

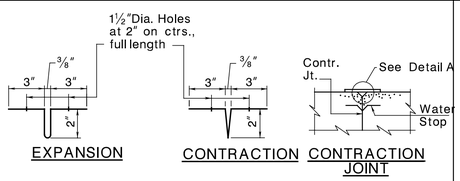


AT PIER



AT ABUTMENT

DETAIL-EPOXY WATERPROOFING SEAL COAT

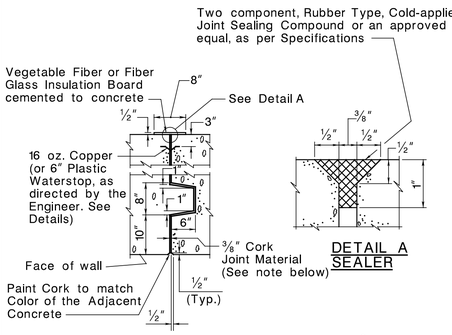


EXPANSION

CONTRACTION

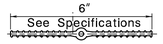
CONTRACTION JOINT

16 OZ. COPPER WATERSTOP-10" WIDE



SECTION - WALL JOINT

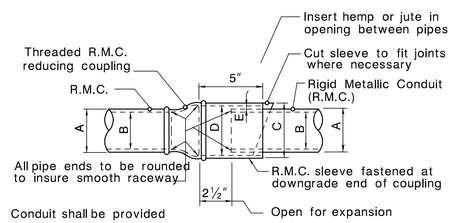
DETAIL A SEALER



DETAIL 6" PLASTIC WATERSTOP

Cork Joint Material: conforming to AASHTO Specifications, Designation M153, Type 2, where joint is noted as Expansion Joint. Contraction Joints shall be tight and shall be paraffin coated.

DETAILS OF WATERSTOP

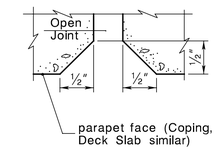


ELEVATION

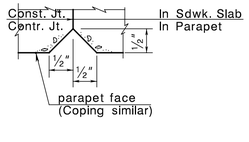
R. M. C.			SLEEVE			Nominal Reducing Coupling	Clearance
Nom.Dia.	Ext.Dia. A	Int.Dia. B	Nom.Dia.	Ext.Dia. C	Int.Dia. D		E
1½"	1.900	1.610	2½"	2.875	2.469	2½" to 1½"	9/32"
2"	2.375	2.067	3"	3.500	3.068	3" to 2"	11/32"
3"	3.500	3.068	4"	4.500	4.026	4" to 3"	¼"
4"	4.500	4.026	5"	5.563	5.047	5" to 4"	¼"

Expansion sleeves shall be installed at all Fixed and Expansion joints and elsewhere as shown or approved. R.M.C. and all fittings shall be hot-dip galvanized.

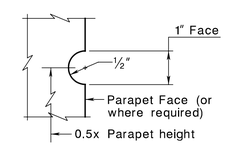
DETAILS OF R.M.C. EXPANSION SLEEVE



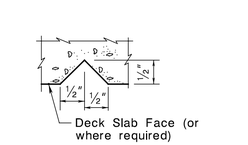
OPEN JOINT



CONTR. OR CONST. JOINT (Contraction joint paraffin coated)



HORIZONTAL DUMMY JOINT



VERTICAL DUMMY JOINT

DETAILS OF PARAPET SCORING

CONTROL SECTION		JOB NO.	
DES. BY		CHK. BY	
DWN. BY			
EST. BY		CHK. BY	
SPECS. BY			

IN CHARGE OF

BDC04MB-01

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N. J.			

STRUCTURE NO.

STRUCTURE NAME

BDC04MB-01

STANDARD DRAWING PLATE 2.6-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

TYPICAL DETAILS NO. 1

ROUTE SECTION

COUNTY

MUNICPALITY

SCALE NONE

BRIDGE SHEET NO B OF B