

**NEW JERSEY DEPARTMENT OF TRANSPORTATION
I-295/I-76/ROUTE 42 DIRECT CONNECTION**

ALTERNATIVE COMPARISON MATRIX

CRITERIA	BUILD ALTERNATIVES					NO BUILD ALTERNATIVE
	D	D1	G2	H1	K	
ENGINEERING CRITERIA						
Meets Purpose and Need	Yes	Yes	Yes	Yes	Yes	No
Temporary Construction Impacts	Medium	Medium	High	High	Medium	Low
Maintenance and Protection of Traffic	Medium	High	High	High	High	Low
Security	Medium	Medium	High	High	High	Low
Design Criteria (Substandard Elements)	Low	Low	Low	Low	Low	High
Cost to Build	\$608,431,000	\$642,191,560	\$833,973,280	\$893,722,160	\$822,618,920	N/A
Construction Duration	64 months	63 months	70 months	73 months	88 months	As Needed
Maintenance and Operations	Medium	Medium	High	High	High	Low
ENVIRONMENTAL CRITERIA						
Noise						
Residential Noise Impact Reduction	109	109	91	91	113	0
Post Mitigation Residential Noise Increase over Existing Conditions						
Less than 3 dBA (Not Perceivable)	135	125	150	140	133	250
Greater than 3 dBA but less than 7 dBA (Perceivable)	15	26	35	46	7	4
Greater than 7 dBA (Noticeable)	0	0	12	12	0	0
Approved Additional Residential Units (not present under existing conditions)	5	5	18	18	5	15
Natural Ecosystems						
Floodplain	2.28 acres	4.45 acres	.90 acre	4.26 acres	3.04 acres	0
Total Wetland and SOW Permanent Impacts	1.97 acres	3.73 acres	.95 acre	3.15 acres*	2.90 acres	0
On-Site Wetland Mitigation Opportunities	100%	10%	100%	12%	93%	N/A
Total Impervious Coverage	61 acres	65 acres	64 acres	67 acres	67 acres	42 acres**
Waterfront Access	Yes	No	Yes	No	Yes	No
Socioeconomics						
Visual Impacts	Medium	Medium	High	High	Low	None
Residential Acquisitions	13	13	5	5	13	0
Community Property Acquisitions	Medium	Medium	Low	Low	Medium	None
4(f) Property Acquisition (In Acres)	.70 acre	.70 acre	.32 acre	.32 acre	.70 acre	0
Regional Accessibility (Annual)	\$39,000,000	\$39,000,000	\$39,000,000	\$39,000,000	\$39,000,000	0
Cost Benefit from Reduction in Accidents (Annual)	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000	0
Historic Architectural Resources						
Physical Impacts to Historic District	2.11 acres/5bldgs	2.11 acres/5 bldgs	1.05 acres/1 bldg	1.05 acres/1 bldg	2.20 acres/5 bldgs	0 acres/0 bldgs
Noise Impact Reduction to Historic District	14	14	14	14	18	0
Post Mitigation Residential Noise Increase over Existing Conditions						
Less than 3 dBA (Not Perceivable)	16	16	18	18	12	23
Greater than 3 dBA but less than 7 dBA (Perceivable)	0	0	1	1	0	0
Greater than 7 dBA (Noticeable)	0	0	0	0	0	0
Impact to Viewshed	Medium	Medium	High	High	Low	None

NOTES: Air Quality, Hazardous Waste and Archaeology are not distinguishing criteria, since results are virtually equal for each alternative.

* Includes channel realignment/relocation.

** Does not provide for stormwater treatment.