

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

CRITERIA	BUILD ALTERNATIVES					NO BUILD ALTERNATIVE
	D	D1	G2	H1	K	
<b>MEETS PURPOSE AND NEED</b>	Yes	Yes	Yes	Yes	Yes	No
<b>TEMPORARY CONSTRUCTION IMPACTS</b>						
Noise	Medium	Medium	High	High	Medium	Low
Dust	Medium	Medium	Medium	Medium	Medium	Low
Vibration	Medium	Medium	Medium	Medium	Medium	Low
Encroachment	High	High	Medium	Medium	High	None
Visual	Medium	Medium	High	High	Low	None
<b>Overall Rating</b>	Medium	Medium	High	High	Medium	Low
<b>MAINTENANCE AND PROTECTION OF TRAFFIC</b>						
I-76 Southbound Diversion	8 Months	18 Months	30 Months	12 Months	0	0
Construction Duration	64 Months	63 Months	70 Months	73 Months	88 Months	As Needed
<b>Overall Rating</b>	Medium	High	High	High	High	Low
<b>SECURITY</b>						
Mainline Tunnel	No	No	No	No	Yes	No
Significant Viaduct	No	No	Yes	Yes	No	No
Potential Impact to Multiple Facilities	Yes	Yes	Yes	Yes	Yes	Yes
<b>Overall Rating</b>	Medium	Medium	High	High	High	Low
<b>DESIGN CRITERIA (SUBSTANDARD ELEMENTS)</b>						
Substandard Design Elements	Low	Low	Low	Low	Low	High
Mainline Posted Speed	55 MPH	55 MPH	55 MPH	55 MPH	55 MPH	35 MPH
Ramp Posted Speed	40 MPH	40 MPH	40 MPH	40 MPH	40 MPH	35 MPH
<b>Overall Rating</b>	Low	Low	Low	Low	Low	High
<b>COST TO BUILD</b>	\$608,431,000	\$642,191,560	\$833,973,280	\$893,722,160	\$820,618,920	N/A
<b>CONSTRUCTION DURATION</b>	64 Months	63 Months	70 Months	73 Months	88 Months	As Needed
<b>MAINTENANCE AND OPERATIONS</b>						
Need to Operate and Maintain Pump Stations	Yes	Yes	Yes	Yes	Yes	No
Amount of Structure To Maintain	Medium	Medium	High	High	High	Low
Tunnel Operations and Maintenance	No	No	No	No	Yes	No
<b>Overall Rating</b>	Medium	Medium	High	High	High	Low