

Table V.1: Summary of Potential Impacts

Category	Resource/Element Assessed	No-Build Alternative	Build Alternatives				
			General Purpose Lanes Alternatives		Full Toll Lanes Alternatives		Managed Lanes with General Purpose Lanes Alternative
			1A (Outside Widening)	1B (Median Widening)	2A (Outside Widening)	2B (Median Widening)	3
Farmlands	Prime Farmlands (acres)	0	65	65	65	65	65
	Farmlands of Statewide Importance (acres)	0	37	37	37	37	37
	Agricultural/Forestral Districts (acres)	0	2	1	2	1	2
Right of Way and Relocations	Rural (number of parcels)	0	106	81	106	81	106
	Residential/Suburban Low Density (number of parcels)	0	418	410	418	410	413
	Outlying Business/Suburban High Density (number of parcels)	0	213	201	213	201	208
	Central Business District (number of parcels)	0	52	51	52	51	52
Socioeconomic and Environmental Justice	Disproportionate Impacts to Minority and Low Income Populations	0	No	No	No	No	No
	Estimated Lost Tax Revenue (dollars)	0	Negligible	Negligible	Negligible	Negligible	Negligible
Public Parklands	Park Facilities (number in the limits of disturbance)	0	3	3	3	3	3
	Use of Park Facilities (acres)	0	38	38	38	38	37
Natural Resources	Wetlands Crossed – Tidal (acres within the limits of disturbance)	0	28	28	28	28	28
	Wetlands Crossed – Non-Tidal (acres within the limits of disturbance)	0	38	37	38	37	39
	Other Waters of the US Crossed – Tidal (linear feet within the limits of disturbance)	0	3,012	2,932	3,012	2,932	2,936
	Other Waters of the US Crossed – Non-Tidal (linear feet within the limits of disturbance)	0	109,225	110,612	109,225	110,612	109,580
	VDEQ 2010 Impaired Waters Crossed (number)	0	9	9	9	9	9
	100-Year Floodplains Crossed (acres within the limits of disturbance)	0	21	18	21	18	21
	Public Reservoirs Crossed (number)	0	4	4	4	4	4
Historic Properties	Threatened and Endangered Species Habitat/Populations (number of species with potential habitat within the limits of disturbance)	0	3	3	3	3	3
	Historic Sites/Districts (number within the limits of disturbance)	0	2	2	2	2	2
	Archaeological Sites (number within the limits of disturbance)*	0	7	6	7	6	7
Air Quality	Battlefields (number within the limits of disturbance)	0	5	5	5	5	5
	Conforms to National Ambient Air Quality Standards	Yes	Yes	Yes	Yes	Yes	Yes
	Common Noise Environments (number)	66	66	66	66	66	66
Noise	Residences Impacted (number)	1,262	1,262	1,190	1,262	1,190	1,156
	Churches/Parks/Schools/Athletic Fields Impacted (number)	5	5	5	5	5	4
	Proposed Noise Barriers (number/linear feet)	0	39,376	39,376	39,376	39,376	37,321
Contaminated Sites	Sites Identified for Further Investigation (number)	0	13	13	13	13	13
Visual	Adversely Affected Visually Sensitive Areas	0	0	0	0	0	0
Capital Cost**	Cost in Billions (average expressed in year 2017 dollars)	0	\$4.7 - \$7.3	\$4.7 - \$7.2	\$4.8 - \$7.3	\$4.8 - \$7.3	\$4.7 - \$7.3

*A complete identification of affected significant archaeological sites will be performed after a preferred alternative is selected.

**Each cost estimate is preliminary and would be refined if an Alternative is advanced. Details of the cost estimates are included in Table 5 of the Alternatives Development Technical Memorandum.