

US 301 Waldorf Area Transportation Improvements Project

DRAFT Summary of Potential Impacts of the Alternatives Retained for Detailed Study

The impact numbers shown in this matrix are associated with projected direct resource impacts related to construction of the alternatives currently retained for detailed study. As additional analyses are completed, indirect resource impacts (*impacts caused by the action but occurring later in time or farther removed in distance - 40 CFR 1508.8*) associated with the alternatives under detailed study will be identified and assessed as part of the draft environmental impact statement.

Feature	Unit	Western Bypass	Eastern Bypass	East Corridor MD 5	Upgrade Alternatives*		
					2A	3	4
Natural Resources							
Delineated Wetlands	Acres	17.1	23.8 - 37.0	24.5 - 35.7	1.4 - 2.1	2.9 - 3.5	2.8 - 3.5
Intermittent Stream Crossings	Linear Feet Impacted	1,605	1,200 - 3,794	847 - 3,792	2,595 - 3,541	3,013 - 3,814	3,013 - 3,814
Perennial Stream Crossings		1,567	2,615 - 9,098	3,362 - 9,810	592	685 - 742	684 - 737
100-year Floodplains	Acres	0	0 - 2.4	0	1.7	2.4	2.4
Forest Cover	Acres	The Project Team is in the process of updating the 2002 Maryland Department of Planning's Land Use/Land Cover Data in order to complete this analysis.					
Agricultural	Acres						
Socio-economic Resources							
Existing Residential Displacements	Number	10	13	10	0	0	0
Planned Residential Displacements	Number	0	0 - 85	0 - 108	0	0	0
Commercial Displacements**	Number	1	2 - 3	5 - 8	89 - 146	102 - 146	97 - 140
Public Facilities Impacts	N/A	None	New High School Site	New High School Site	None	None	None
Parklands	N/A	None	Cedarville State Forest	None	None	None	None
Cultural Resources							
Number of National Register Undetermined Archeological Sites w/in Area of Potential Effect	Number	3	2	2	0	0	0
Number of National Register Eligible Historic Structures w/in Area of Potential Effect	Number	3	2	2	4	4	4
Estimated Costs							
Right of Way	US Dollars	\$278M	\$245M	\$327M	\$316M - \$461M	\$390M - \$498M	\$316M - \$455M
Engineering/Construction		\$1.369B	\$1.579B	\$1.31B	\$1.137B - \$1.190B	\$1.240B - \$1.247B	\$1.227B - \$1.235B
Total		\$1.647B	\$1.824B	\$2.158B	\$1.506B - \$1.605B	\$1.637B - \$1.737B	\$1.551B - \$1.692B

* The high end impacts and costs reflect the potential impacts of the US 301 At-Grade Sub-Options

**Commercial Displacements reflect the number of businesses that will be displaced. In many cases, there is more than one business located on a parcel or in a building.