

## Summary of Impacts by Mainline Alternative

Impacts/Issues	No Build	Alternative A	Alternative B	Alternative D
<b>Key Design Features</b>	Safety and maintenance for continuing operation	Upgrade existing four-lane I-75 mainline facility and interchange ramps to meet design standards.	Upgrade existing four-lane I-75 and interchange ramps; provide for future upgrade to a six-lane facility	Widen I-75 mainline to six lanes and upgrade interchange ramps to meet design standards
<b>2035 Level of Service</b>	C and D	B and C	B and C	A and B
<b>Estimated Costs</b>				
<i>Preliminary Construction Costs*</i>	\$12,349,656	\$203,430,157	\$234,206,218	\$246,522,804
<i>Right of Way Costs</i>	Not applicable	\$15,675,208	\$18,557,634	\$18,557,634
<b>Right of Way Impacts</b>	No impact	89.77 acres	103.94 acres	103.94 acres
<b>Socioeconomic Impacts</b>				
<i>Social and Community Impacts</i>	No impact	No direct impact	No direct impact	No direct impact
<i>Economic Impacts</i>	No impact	No impact	Encourage future economic development; potential commercial displacements	Encourage future economic development; potential commercial displacements
<i>Potential Relocations</i>	None	3 commercial	5 residential; 3 commercial	5 residential; 3 commercial
<i>Environmental Justice</i>	No impact	No disproportionate impacts	No disproportionate impacts	No disproportionate impacts
<i>Land Use Impacts</i>	No impact	Majority commercial and agricultural	Majority agricultural, commercial/office, and industrial	Majority agricultural, commercial/office, and industrial
<b>Ecological Resources Impacts</b>				
<i>100-Year Floodplain</i>	No impact	4 floodplain crossings: Ottawa River, Little Ottawa River, Freed Ditch, Lost Creek	4 floodplain crossings: Ottawa River, Little Ottawa River, Freed Ditch, Lost Creek	4 floodplain crossings: Ottawa River, Little Ottawa River, Freed Ditch, Lost Creek
<i>Threatened and Endangered Species</i>	No impact	Minor clearing of potential roost trees for Indiana bat	Minor clearing of potential roost trees for Indiana bat	Minor clearing of potential roost trees for Indiana bat
<i>Wetlands</i>	No impact	4.14 wetland acres	5.35 wetland acres	5.35 wetland acres
<i>Streams</i>	No impact	8388.6 linear feet	8589.6 linear feet	8589.6 linear feet
<i>Open Waters</i>	No impact	0.50 acres	0.50 acres	0.50 acres
<i>Terrestrial Habitat</i>	No impact	492.6 terrestrial habitat acres	507.12 terrestrial habitat acres	507.12 terrestrial habitat acres
<b>Geotechnical Issues</b>	No impact	Quarry; "Very limited" subgrade soil	Quarry; "Very limited" subgrade soil	Quarry; "Very limited" subgrade soil
<b>Cultural Resources Impacts</b>				
<i>History/Architecture</i>	No impact	No impact	No impact	No impact
<i>Archaeological</i>	No impact	No impact	No impact	No impact
<b>Hazardous Materials (sites recommended for Phase I ESA)</b>	No impact	26 sites	26 sites	26 sites
<b>Visual Quality Impacts</b>	No impacts	Improve landscaping; Establish signature theme throughout corridor	Improve landscaping; Establish signature theme throughout corridor	Improve landscaping; Establish signature theme throughout corridor
<b>Section 4(f) and 6(f) Impacts</b>	No impacts	No impacts	No impacts	No impacts
<b>Noise Impacts (sites above Noise Abatement Criteria)</b>	268	268	365	365
<b>Consistency with Local Plans</b>	Not consistent with local plans	Improves infrastructure; increases safety	Improves infrastructure; increases safety	Improves infrastructure; increases safety; reduces congestion

**Notes:**

\* Inflation rate of 48.8% was used assuming a mid-construction year of 2013.

Alternative C was determined not to be necessary due to traffic analysis and eliminated from further consideration.



## SUMMARY OF IMPACTS BY MAINLINE ALTERNATIVE