

REASONABLE ALTERNATIVES IMPACT SUMMARY

Improve I-70: Columbia Area (SIU #4)

IMPACT CATEGORY	MEASURE	TOTAL IMPACTS FOR RECOMMENDED PREFERRED ALTERNATIVE
RIGHT OF WAY IMPACTS		
Residential	acres	54
Commercial	acres	63
Industrial	acres	9
Agricultural	acres	221
Public (Parks and other publicly owned parcels)	acres	13
Other (e.g. utilities, institutional, fraternal organizations)	acres	11
Total Right of Way Required	acres	371
ENVIRONMENTAL IMPACTS		
Wetland Impacts	acres	8.0
Non-Wetland Pond Impacts	acres	0.8
100-Year Floodplain Impacts	acres	80
Stream Crossings	#	44
Natural Community Impacts	acres	92
Potential Threatened/Endangered Species Impacts	Yes/No	Yes
Prime Farmland Impacts	acres	479
Number of Sites Requiring Additional Hazardous Material Assessment	#	12
Secondary and Cumulative Impacts	rating	0
Visual Impacts - Existing vs. Proposed	rating	Neutral
COMMUNITY IMPACTS		
National Register of Historic Places Impacted	#	1 - Napier Bowling Mansion
Important Community Resources - Displacement of Structures	#	4
Important Community Resources - Property Acquisition	acres	16.5 acres
Potential Impacts to Low Income or Minority Populations (EJ)	rating	0
Potential for Noise Walls	Yes/No	Yes
DISPLACEMENT IMPACTS		
Residential Impacts (Displacement of Dwelling Units)	#	#VALUE!
Residential Impacts (Number of Residential Parcels within Footprint)	#	231
Business Impacts (Displacement of at Least One Structure)	#	60
Business Impacts (Number of Commercial/Industrial Parcels within Footprint)	#	208
ENGINEERING ISSUES		
Comply with MoDOT Access Management Criteria	rating	
Construction Staging	rating	
Maintenance of Traffic	rating	
Phased Implementation of Full Build	rating	
Total Cost	rating	
New Construction Cost	rating	
Right of Way Cost, including displacements	rating	
Maintain Existing Travel Patterns	rating	
Ability to Accommodate Future Expansion	rating	
Compatibility with Columbia Area Transportation Study Organization Priorities		
Conformance with Adopted Local Plans	rating	
Impact on Local Street System	rating	
Impact on Land Use Patterns	rating	
Impact on Neighborhood Stability	rating	

RATING SYSTEM	
Positive Impact/Performs Better than other Alternatives	+
Neutral Impact/No Differentiator	0
Negative Impact/Performs Poorer than other Alternatives	-

