

US 380 EIS Methodology and Level of Detail for Analyzing Alternatives - Purpose & Need, Engineering, and Public Input



Screening/Evaluation Category		No Build Alternative	Green Alternative (Existing US 380)	Purple Alternative	Blue Alternative	Gold Alternative	Brown Alternative
Purpose & Need	Manage Congestion	How well does the alternative satisfy the identified need?					
	Improve East-West Mobility						
	Improve Safety						
Engineering	Total Alternative Length Along Centerline	miles					
	Major Utility Conflicts	number and length (feet) of crossings by utility type (large pipelines, major overhead electrical utilities, etc.)					
	Estimated Construction Cost (installed facility, ROW, utility relocations, etc.)	millions of dollars					
	Estimated Construction Cost per Mile (installed facility)	millions of dollars					
	Total Bridge Length	miles					
	Number of New Grade-Separated Interchanges	number					
	Amount of New ROW Required	acres					
Public Input	Input/Comments/Feedback/Acceptance	level of support, general sentiment, specific concerns					

Matrix to be used to compare alternatives in the Draft EIS. Additional categories and level of detail may be added as the study progresses.

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- Environmental Resources



Screening/Evaluation Category	No Build Alternative	Green Alternative (Existing US 380)	Purple Alternative	Blue Alternative	Gold Alternative	Brown Alternative
Residential Displacements						
Business Displacements						
Land Use						
Farmland Impacts						
Farmland Impacts (separation of farmland from homestead)						
Community Demographics and Services (EJ, LEP, Title VI)						
Community Facilities (schools, places of worship, libraries, etc.)						
Visual/Aesthetic Impacts						
Archeological Sites and Cemeteries						
Historic Properties						
Protected Lands (Section 4(f), Section 6(f), Chapter 26 properties)						
Waters of the US - Wetlands						
Waters of the US - Streams and Rivers						
Section 303(d) Waters						
Floodplains (100-year) and Floodways						
Impacts to Vegetation/Habitat						
Impacts to Wildlife						
Threatened, Endangered, or Candidate Species						
State Species of Greatest Conservation Need (SGCN)						
Air Quality						
Hazardous Materials						
Traffic Noise						
Induced Growth						
Reasonably Foreseeable/Cumulative Effects						

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