

DRAFT Toll 49 Segment 6 EIS Alternatives Evaluation Matrix

		The No Build Alternative assumes no construction of Toll 49 Segment 6 improvements.	From existing Toll 49 at SH 110 to US 271; crossing SH 64 at County Road 2335	From existing Toll 49 at SH 110 to US 271; crossing SH 64 at County Road 210	From existing Toll 49 at SH 110 to US 271; crossing SH 64 west of County Road 2206	
Criteria	Method of Analysis	No Build Option	Purple Alternative	Yellow Alternative	Teal Alternative	[Other Alternatives]
Purpose and Need						
Relieves congestion for regional and local traffic	Traffic analysis (Yes/No)					
Provides shorter travel times for regional and local traffic	Traffic analysis (Yes/No)					
Engineering						
Estimated Annual Daily Traffic (ADT) Volume	Number of Vehicles					
Parcels Impacted	Number					
Major Utility Conflicts	Number and type					
Proposed ROW	Acres					
Alternative Length	Miles					
Bridge-type Hydraulic Structures	Number					
Potential Floodplain Impacts	Acres of 100-year floodplain within alternative					
Estimated Construction Cost	Dollars					
Conflicts with Platted Developments	Low, Medium, High					
Environmental						
Land Use Impacts						
Agricultural	Acres within alternative					
Pasture	Acres within alternative					
Prime Farmland Soils	Acres within alternative					
Developed	Acres within alternative					
Water Wells	Number within alternative					
Oil & Gas Wells	Number within alternative					
Displacements						
Commercial	Number					
Residential	Number					
Other (place of worship, daycare, school, govt./municipal)	Number					
Community Facilities	Type and number within or adjacent to alternative; potential for proximity-related effects (Low, Medium, High)					
Traffic Noise Impacts	Probability of traffic noise impacts based on land use activity areas/number of receptors (Low, Medium, High)					
Air Quality Impacts	Based on projected traffic make-up and projected traffic volumes (Low, Medium, High)					
Hazardous Materials	Type of site within or adjacent to Alternative (Low, Medium, High)					
Visual/Aesthetic Impacts	Changes in visual character (Low, Medium, High)					
Potential to Impact Threatened and Endangered Species (IPaC)						
Critical Habitat	Yes/No					
[Listed Species]	Potential for adverse effects (Low, Medium, High)					
Waters of the U.S.						
NWI (Acreage)	Acres within alternative					
NHD (Linear Feet)	Linear Feet within alternative					
NHD (Waterbodies Acreage)	Acres within alternative					
Stream Crossings	Number					
303(d) Listed Waters	Number and proximity to impaired stream segment (miles)					
National Register of Historic Places-Listed	Number					
National Register of Historic Places-Eligible	Number					
Section 4(f) Properties (Historic Sites, Parks, Recreational Areas, Wildlife and Waterfowl Refuges)	Yes/No, number					
Section 6(f) Properties	Yes/No, number					
Chapter 26 of the Texas Parks and Wildlife Code	Yes/No					
Archeological Resources						
Number of recorded sites	Number and type					
Areas of high potential	Acres within alternative					
Historic Resources	Number of historic-age resources within or adjacent to alternative					
Cemeteries	Number within or adjacent to alternative					

Alternative Evaluation Process



Proposed Route Options

Preliminary Alternatives

**Reasonable Alternatives &
No Build Alternative**

Preferred Alternative