



# TEXAS DEPARTMENT OF TRANSPORTATION

## PROPOSED ALIGNMENTS MATRIX

### FM 1387 From North Midlothian to FM 664

CSJ: 1394-02-027

**Segment Analysis Matrix Legend**

Good
  Neutral
  Poor

SCREENING / EVALUATION CATEGORY		SEGMENT 1 (N. Midlothian to Longbranch Rd)	PROPOSED NORTH ALIGNMENT	PROPOSED SOUTH ALIGNMENT
<b>Purpose and Need</b>	Manage Congestion - Travel Time	●	●	●
	Improve East-West Mobility	●	○	●
	Improve Safety	●	●	●
	Meet Purpose & Need	All build results meet the project's Purpose and Need.		
<b>Engineering</b>	Total Segment Length along CL (miles)	4.00	1.30	1.81
	Total Bridge Length (miles)	0.05	0	0.15
<b>Displacements and Right-of-Way Requirements</b>	Residential Displacements	10	0	0
	Potential Affected Properties*	0	2	0
	Amount of New Right-of-Way (ROW) Required (acres)	33	11	38
	Number of Properties Affected by ROW Acquisitions	75	35	14
<b>Environmental and Natural Resources</b>	Number of Creek/Tributary Crossings	5	1	3
	Proposed ROW Impact to Waters of the US (acres)	0.462	0.012	0.059
	Total Acres of Forests and Praires/Grasslands	0	0	8.5
	Proposed ROW Impact to Public School Property (acres)	0	0.97	0.25
	Visual and Aesthetic Impacts	Construction of all segments would change the existing visual environment caused by new roadways.		
	Archeological Sites, Cemeteries, and Historic Properties	0	0	0
<b>Cost</b>	Estimated Right-of-Way Cost	\$5M	\$2M	\$3M
	Estimated Cost to Relocate and Accommodate Utilities	\$25M	\$5M	\$2M
	Estimated Design and Construction Costs	\$73M	\$21M	\$28M
	Estimated Total Project Costs in Millions (M)	\$103M	\$28M (Total with Seg. 1 - \$131M)	\$33M (Total with Seg. 1 - \$136M)
<b>Stakeholder Input</b>	City of Midlothian	●	○	●
	City of Waxahachie	●	○	●
	Ellis County	●	○	●
<b>Other Impacts</b>	Effect on Local Access	●	○	●
	Accommodates Future Traffic	●	●	●

\*Number of properties where the ROW line is within 40 feet of the residential structure.