



Historic Bridge Adoption Program

US 77 at FM 1446,
Ellis County

11/16/2016



Bridge Location

County: Ellis
Road: US 77
Feature Crossed: FM 1446 and Waxahachie Creek
Other Location Information: <http://arcg.is/2fVTMh1>

Bridge Information

Owner: Texas Department of Transportation
Type: Concrete T-beam and steel I-beam bridge on concrete supports
Length: 1,121 feet
Width: Approximately 39 feet (roadway width)
Year Built: 1931
Builder: Unknown

The existing Viaduct exhibits significant structural deficiencies, posing a safety hazard. There is spalling concrete and extensive corrosion of steel reinforcement throughout the T-beams, concrete diaphragms, and bents. Additionally, the existing structure is functionally obsolete and, therefore, inadequate to meet current and future traffic volumes resulting in congestion and reduced mobility.

Historic Significance

This property is listed as a contributing element to the Ellis County Courthouse Historic District (listed on the National Register in 1975).

TxDOT Estimated Work Necessary and Costs**

**Relocation costs are not included because relocation not considered a viable option given this type of bridge structure.

Rehabilitate for Pedestrian Use (listed in order of need):

Remove superstructure:	\$650,000
C411 Rail:	\$493,240
Concrete Deck	\$1,345,200
Concrete TxGirders:	\$672,600
Repair Bearing Steel:	\$27,500
Repair Bearing Areas:	\$82,500
Crack Injection:	\$1,560
<u>Total Costs:</u>	\$3,272,600

For More Information/To Submit a Reuse Proposal:

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Reuse proposals will be accepted until December 15th.



