



# Historic Bridge Adoption Information Packet

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Erath County  
County Road 218  
Duffau Creek  
June 6, 2024

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## Announcement

The Texas Department of Transportation (TxDOT) seeks adopters for the historic bridge detailed below for reuse according to federal transportation and historic preservation laws. The bridge is in Erath County, on County Road (CR) 218 crossing Duffau Creek.

Letters of interest and/or reuse proposals will be accepted until 5 p.m. on September 30, 2024. TxDOT is currently undergoing alternatives analysis for this project. The outcome of the analysis may impact the availability of this bridge. Priority for assistance will be given to public entities seeking to reuse the bridge in a public or publicly visible space. Bridges available through this program are not suitable for vehicular service. All rehabilitation work must conform to the Secretary of the Interior's *Standards for Rehabilitation* in consultation with the Texas Historical Commission (THC).

Interested parties may request additional information, indicate an interest, or submit a reuse proposal by contacting:

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TxDOT Fort Worth District  
2501 SW Loop 820  
Fort Worth, Texas 76133  
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## Bridge Location

- **County:** Erath County
- **Highway or Facility:** County Road 218
- **Feature Crossed:** Duffau Creek
- **GIS Locational Information** <https://arcg.is/f0GfH1>

## Bridge Information

- **Bridge Owner** County Highway Agency
- **Main-span Type:** Warren Pony Truss
- **Main-span Length** 69 feet
- **Roadway Width** 12 feet
- **Year Built** 1938

## Bridge Condition and Load Rating

The bridge's overall condition is satisfactory. The condition issues primarily occurring in the bridge's substructure. The bridge foundations show scour and undermining at one truss pier, and one approach abutment shows runoff erosion and loss of backfill. The same abutment wall is leaning significantly in toward the channel. Recommended repairs to the truss include addressing missing nuts and loose or missing fasteners, repairing or replacing the deck, and cleaning and painting the truss, including addressing pack rust at connections.

The bridge does not meet current load rating requirements to remain in continued vehicular service. It is currently load posted. The bridge is also extremely narrow at only 11 ½-feet wide, making it difficult for larger trucks and emergency vehicles to use the crossing. The bridge can be used as a pedestrian facility, pending study to determine the allowable pedestrian walkway width.

## Historic Significance of the Bridge

In 2014, the Texas State Historic Preservation Office (SHPO) determined all extant metal truss bridges in Texas historically significant at the local level as rare surviving examples of their type. This 69-foot-long Warren pony truss retains the essential physical features that enable it to convey the historic character of metal truss bridges from the early-to mid-20<sup>th</sup> century.

## TxDOT Estimated Relocation Cost and Work Items

**Costs to relocate and rehabilitate the bridge for pedestrian use are estimated by TxDOT bridge engineers based on TxDOT expenditures for similar items on other bridges. All prospective owners should consult with a structural engineer to assist in determining the appropriate work to be completed as well as appropriate estimates. Costs may vary outside the TxDOT system.**

- Remove and relocate truss span: \$160,000

Cost for relocating the bridge is dependent on distance of move and may exceed the above estimate. The new owner may relocate the structure using their own labor and equipment prior to the start of construction.

Recommended costs that can be deferred to a later date include cleaning and painting the truss, repairing or replacing the deck, installing a pedestrian rail, installing new foundations, and any associated engineering costs.

Repair needs are based on current inspection reports but may not encompass all needed repairs. The new owner is responsible for conducting a site assessment to determine the full scope of needed repair.

## Bridge Photographs



