

**General Bridge Information:**

*TXDOT District: Waco*  
*County: Bosque*  
*Structure ID: 090180AA0333001*  
*Facility Carried: CR 3112*  
*Feature Crossed: North Bosque River*  
*Bridge Owner: County Highway Agency*

**Statement of Eligibility:**

This evaluation does not reflect potential significance under Criterion A. Criterion A evaluations must be conducted at the local level of significance in the area of Transportation, per the registration requirements established in the "Historic Road Infrastructure of Texas" MPS. This evaluation would typically be conducted in conjunction with project planning for future projects prior to Section 106 consultation.

Bridge 090180AA0333001 carries County Road 3112 over the North Bosque River. It is a single-span pin-connected Whipple through truss with parallel chords, a main span length of 148 feet, and an overall structure length of 371 feet. There are two Warren pony truss major approach spans and six timber stringer minor approach spans. TxDOT bridge inspection files incorrectly list the bridge's construction date as 1900. However, the bridge's Whipple truss was actually built in 1884 by the Wrought Iron Bridge Company of Canton, Ohio. The truss is significant as one of two known examples in the state of the Whipple truss type or double-intersection Pratt truss. It is further significant for its use of both wrought and cast iron and for the use of pinned connections before 1900. Finally, it is significant for its use of ornament lattice in the portal bracing. The riveted and bolted Warren pony truss approach spans were constructed in 1912 (east approach) and 1918 (west approach). The bridge is significant for having four truss spans.

The bridge remains in its original location and therefore retains integrity of location. The bridge was widened in 1912, during the historic period, and therefore retains integrity of design, materials, workmanship, setting, feeling, and association.

Based on the registration requirements established in the "Historic Road Infrastructure of Texas" MPS, Bridge 090180AA0333001 possesses significance as a survivor of a rare truss type and for high artistic value expressed in the ornamentation of the portal. The bridge retains sufficient integrity to convey its significance and is recommended eligible for National Register of Historic Places listing under Criterion C in the area of Engineering.

In addition, per a policy decision by the Texas SHPO, the Executive Director of the Texas Historical Commission in 2014, all metal trusses constructed before 1946 are significant at the local level as embodying distinctive characteristics of a type. Determination as to whether this particular metal truss bridge possesses sufficient integrity to warrant eligibility for listing in the NRHP requires consultation with the Texas SHPO.

# Statewide Vehicular Truss Bridge Reevaluation

## GENERAL BRIDGE INFORMATION

**District:** Waco  
**County:** Bosque  
**Feature Crossed:** NORTH BOSQUE RIVER #13  
**Bridge Owner:** County Highway Agency  
**Latitude:** 31.79346278

**Structure ID:** 090180AA0333001  
**Location:** 0.10 MI SW OF FM 1991  
**Facility Carried:** CR 3112  
**Longitude:** -97.57200162



Photo 1: Northwest elevation of Whipple truss, facing southeast, showing the distinctive double-intersection Pratt design that is the character-defining feature of a Whipple truss



Photo 2: Deck view, facing northeast

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**Photo 3: Detail of diagonal members crossing the midpoint of a vertical member and the special Whipple fitting required to accommodate the crossing at the point of double-intersection**



**Photo 4: Detail of pin connection of end diagonal with bottom chord, also showing the extant roller-nest expansion bearing**

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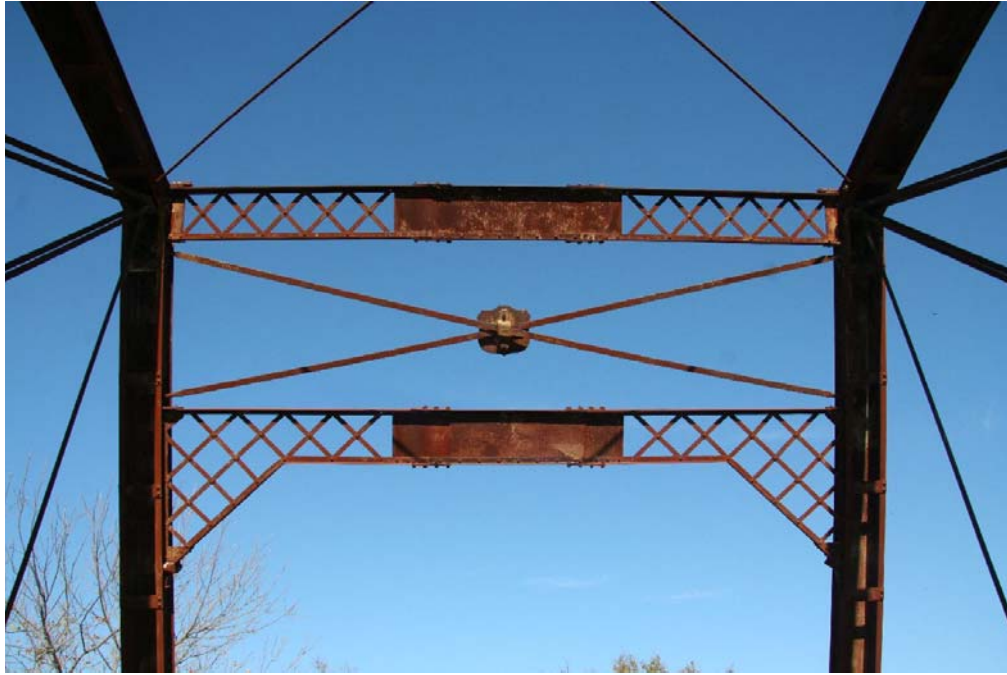


Photo 5: Detail of ornamental portal elements, facing northeast



Photo 6: Warren pony truss approach span, facing northeast

# Bridge NRHP Eligibility Report

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<b>Structure ID:</b>	090180AA0333001	<b>Disposition:</b>	In Service	<b>Year Built:</b>	1884	<b>Year Rcnst:</b>	0000
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<b>District:</b>	Waco	<b>Span Type:</b>	Simple Span
<b>County:</b>	Bosque	<b>Roadway Type:</b>	Through
<b>Location:</b>	0.10 MI SW OF FM 1991	<b>Member Type:</b>	Whipple Truss, Parallel Chord
<b>Facility Carried:</b>	CR 3112	<b>Main Span Length:</b>	0148
<b>Feature Crossed:</b>	N BOSQUE RI #13	<b>Structure Length:</b>	000371
<b>NRHP Det. Date:</b>	07/31/1995	<b>Evaluator:</b>	CRM Staff
<b>Historical Significance:</b>	2 NR Eligible		

## **NRHP Eligibility Determination Statement:**

In accordance with Section 110 of the National Historic Preservation Act the bridge was evaluated to establish its historical significance during a statewide inventory of metal truss bridges in 1995. During the inventory the bridge was found to exhibit sufficient structural integrity and engineering complexity when compared with other similar bridge types and was determined eligible for listing in the National Register of Historic Places under Criterion C for Engineering at the state level of significance. The bridge is an excellent example of a riveted/pin-connected, 4-span truss bridge consisting of 1 double intersecting pratt through, and 3 warren pony trusses in the State of Texas.