

## **General Bridge Information:**

*TXDOT District: San Antonio*  
*County: Bexar*  
*Structure ID: 150150B08310001*  
*Facility Carried: Crockett St*  
*Feature Crossed: San Antonio River*  
*Bridge Owner: City or Municipal 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 150150B08310001 carries Crockett Street over the San Antonio River in San Antonio, Bexar County. It is a simple span, pin-connected, lenticular pony truss with polygonal top and bottom chords, a main span length of 84 feet, and an overall structure length of 86 feet. TxDOT bridge inspection records incorrectly list the bridge's construction date as 1900. However, the bridge was built in 1891 by the Berlin Iron Bridge Company. The bridge is significant as one of three known examples in the state of the lenticular truss type. As a design by the Berlin Iron Bridge Company, this truss is more accurately described as a Pauli variant of a lenticular truss, with the shape of the top chords designed for a constant maximum force along the full length of the truss. It is among a small group of Texas lenticular trusses that are the only lenticular trusses west of the Mississippi River. It is additionally significant for its use of pin connections before 1900 and its use of both cast and wrought iron. It is significant for its ornamental iron railing posts, and lattice railing.

The bridge remains in its original location and therefore retains integrity of location. The only alterations involve added path lighting under the bridge, altered abutment with railing and sidewalk bumpout, and isolated replacement of some rivets with bolts, which does not affect the truss span's integrity of design, materials, workmanship, setting, feeling, and association.

Based on the registration requirements established in the "Historic Road Infrastructure of Texas" MPS, Bridge 150150B08310001 possesses significance as a survivor of a rare truss type and for high artistic value expressed in the ornamentation of the prominent truss end post and the railing. 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:** San Antonio  
**County:** Bexar  
**Feature Crossed:** SAN ANTONIO RIVER  
**Bridge Owner:** City or Municipal Highway Agency  
**Latitude:** 29.42509319

**Structure ID:** 150150B08310001  
**Location:** 0.00 MI E OF N PRESA  
**Facility Carried:** CROCKETT STREET  
**Longitude:** -98.48866437



Photo 1: North elevation, facing south, showing the lenticular design of the top and bottom chords that comprise the significant truss type of which this is one of the few known examples in the state



Photo 2: Deck view, facing east

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Photo 3: Detail of pin connection joining top chord, bottom chord, and lenticular end post



Photo 4: Detail of ornamental railing panels and corner post



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Photo 5: View of underside of truss, facing east, showing built-up floor beams, stringers, and bottom chord with pin connections



Photo 6: Detail of builder's plate

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# Bridge NRHP Eligibility Report

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**Structure ID:** 150150B08310001      **Disposition:** In Service      **Year Built:** 1900      **Year Rcnst:** 0000

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|--------------------------|----------------------|--------------------------|---------------------------------|
| <b>District:</b>         | San Antonio          | <b>Span Type:</b>        | Simple Span                     |
| <b>County:</b>           | Bexar                | <b>Roadway Type:</b>     | Part Through                    |
| <b>Location:</b>         | 0.00 MI E OF N PRESA | <b>Member Type:</b>      | Lenticular Truss, Polygonal Top |
| <b>Facility Carried:</b> | CROCKETT ST          | <b>Main Span Length:</b> | 0084                            |
| <b>Feature Crossed:</b>  | SAN ANTONIO RIVER    | <b>Structure Length:</b> | 000086                          |
| <b>NRHP Det. Date:</b>   | 07/31/1995           | <b>Evaluator:</b>        | CRM Staff                       |

**Historical Significance:** 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, Part Through, Lenticular, Polygonal Top Chord truss bridge in the State of Texas.