

Name of Property

County and State

4. National Park Service Certification

I hereby certify that the property is:

- checkboxes for National Register status: entered, determined eligible, determined not eligible, removed, other

(explain:)

Signature of the Keeper: [Handwritten Signature] Date of Action: 1/14/00

5. Classification

Ownership of Property (Check as many boxes as apply)

- checkboxes for ownership: private, public-local, public-State, public-Federal

Category of Property (Check only one box)

- checkboxes for category: building(s), district, site, structure, object

Number of Resources within Property

Table with 3 columns: Contributing, Noncontributing, and Resource Type (buildings, sites, structures, objects, Total)

Number of contributing resources previously listed in the National Register 0

Name of related multiple property listing (Enter "N/A" if property is not part of a multiple property listing.) Historic Bridges in South Dakota

6. Function or Use

Historic Functions (Enter categories from instructions)

Cat: Transportation Sub: Road-Related

Current Functions (Enter categories from instructions)

Cat: Transportation Sub: Road-Related

7. Description

Architectural Classification (Enter categories from instructions)

Other: Pratt Through Truss

Materials (Enter categories from instructions)

foundation Steel
roof _____
walls _____
other Metal: Steel

Narrative Description (Describe the historic and current condition of the property on one or more continuation sheets.)

See Continuation Sheets

8. Statement of Significance

Applicable National Register Criteria (Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing)

- A Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B Property is associated with the lives of persons significant in our past.
- C Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D Property has yielded, or is likely to yield information important in prehistory or history.

Criteria Considerations (Mark "X" in all the boxes that apply.)

- A owned by a religious institution or used for religious purposes.
- B removed from its original location.
- C a birthplace or a grave.
- D a cemetery.
- E a reconstructed building, object, or structure.
- F a commemorative property
- G less than 50 years of age or achieved significance within the past 50 years.

Areas of Significance (Enter categories from instructions)

Engineering

Period of Significance

Ca. 1910

Property Owner

(Complete this item at the request of the SHPO or FPO.)

name _____
street & number _____ telephone _____
city or town _____ state SD zip code _____

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Project (1024-0018), Washington, DC 20503.

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Architectural Description

Bridge No.50-193-086 is located in rural Sverdup Twp., 3 miles south of Baltic, where it carries an unpaved local road over the Big Sioux River. The bridge is aligned on an east-west axis, and consists of a single, 150-ft., pin-connected, Parker truss main span. Overall structure length is 150 ft.; deck width is 16 ft., carrying a 16-ft. roadway with no sidewalks. The substructure consists of concrete wing-wall abutments, which have paneled concrete railings. The superstructure is comprised as follows: the upper chords are built of back-to-back channels with a continuous steel plate riveted above and V-laced bars riveted below; the lower chords are forged eyebars; the verticals are built of back-to-back channels with V-laced bars riveted back and front; the diagonals are forged eyebars; and the counters are forged round rods with turnbuckles. Panel intersections are pin-connected. The floor system consists of metal I-beam stringers riveted to metal I-beam floor beams, which are bolted to gusset-plate hangers suspended from the lower-chord pins. The deck is wood plank. Portal and sway bracing is made of angles; top struts are built of back-to-back channels with V-laced bars above and below; top laterals are round rods; bottom laterals are threaded round rods. Railings on the superstructure are two angles.

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Statement of Significance

Bridge no.50-193-086 is being nominated to the National Register of Historic Places as part of the "Historic Bridges in South Dakota" Multiple Property Nomination. It is related to the historic context of "Historic Bridges in South Dakota, 1893-1942" and is classified with the associated property type for iron and steel frame bridges. This bridge is individually eligible for the National Register under Criterion C as a rare example of a pin-connected Parker Through truss. The bridge retains excellent integrity.

Bridge No.50-193-086 is a pin-connected Parker Through truss, and as such represents a rare example of a type. Prior to 1920 the pin-connected Pratt truss was the most widely used through truss in the state. Parker through truss spans, a variation of a Pratt truss, were not commonly used until after 1920, and were characterized by rivets rather than pin-connections. The pin-connected Parker represents an uncommon bridge type of which only three were identified in South Dakota.

The Western Bridge and Construction Company of Omaha Nebraska built this bridge at an unknown date. However, from 1907 through at least 1917, Western Bridge and Construction Company had the annual county bridge contracts for Minnehaha County.

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Bibliography:

Builder's plate mounted on the bridge.

Minnehaha County Commissioners records, 1907-1917.

Minnehaha County Highway Department Survey report for bridge 50-193-086, 1986.

Verbal Boundary Description:

The nominated property consists of a rectangle, 21 feet wide by 155 feet long, whose vertices coincide with the outside corners of the bridge abutments at each end of the bridge, and includes only the bridge superstructure and substructure.

Boundary Justification:

Because the bridge is located on a public road, there are no legal boundary lines for the ends of the bridge. Therefore, these boundaries are drawn to encompass only the superstructure and substructure of the bridge itself.