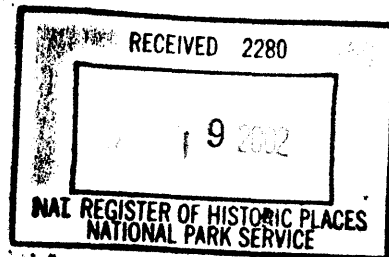


**United States Department of the Interior
National Park Service**



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**NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM**

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in How to Complete the National Register of Historic Places Registration Form (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If any item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name SD DOT Br. NO. 34-120-194
other names/site number N/A

2. Location

street & number Local Rd. over S. Fork Lonetree Creek not for publication N/A
city or town Tripp vicinity X
state South Dakota code SD county Hutchinson code 067 zip code 57376

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this x nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property x meets does not meet the National Register Criteria. I recommend that this property be considered significant nationally statewide x locally. (See continuation sheet for additional comments.)

Jay D. Voigt 04-16-2002
Signature of certifying official Date

SD SHPO
State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

Signature of commenting or other official Date

4. National Park Service Certification

- I hereby certify that the property is:
- entered in the National Register.
 - See continuation sheet
 - determined eligible for the National Register.
 - See continuation sheet
 - determined not eligible for the National Register
 - removed from the National Register.
 - other, (explain:)

Signature of the Keeper: Edson H. Beall Date of Action: 5/30/02

5. Classification

Ownership of Property (Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property (Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property

Contributing	Noncontributing	
<u>0</u>	<u>0</u>	buildings
<u>0</u>	<u>0</u>	sites
<u>1</u>	<u>0</u>	structures
<u>0</u>	<u>0</u>	objects
<u>1</u>	<u>0</u>	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: Half-Hip Pratt Pony Truss

Materials (Enter categories from instructions)

foundation Steel
roof _____
walls _____
other 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

1912 _____

10. Geographical Data

Acreage of Property Less than 1

UTM References

(place additional UTM references on a continuation sheet.)

1 14 591620 4785355
Zone Easting Northing
2 _____

3 _____
Zone Easting Northing
4 _____

See continuation sheet

Verbal Boundary Description (Describe the boundaries of the property on a continuation sheet.) See Continuation Sheet

Boundary Justification (Explain why the boundaries were selected on a continuation sheet.) See Continuation Sheet

11. Form Prepared By

name/title Lynda Schwan
organization SD SHPO Staff date January 10, 2002
street & number 900 Governors Drive telephone 605-773-6056
city or town Pierre state SD zip code 57501

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps

A USGS map (7.5 or 15 minute series) indicating the property's location.

A sketch map for historic districts and properties having large acreage or numerous resources.

Photographs

Representative **black and white photographs** of the property.

Additional items (Check with the SHPO or FPO for any additional items)

Property Owner

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

name South Dakota Department of Transportation
street & number _____ telephone _____
city or town Pierre state SD zip code 57501

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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Bridge No. 34-120-194 carries an unpaved road across the South Fork of Lonetree Creek about 4 miles east of the City of Tripp. The 21 feet structure consists of one Half-Hip Pratt Pony Truss. It is located in the rural landscape of Hutchinson County.

The bridge was constructed in 1912 by the Federal Bridge Company of Des Moines, Iowa. The single span bridge has upper chord which consists of two steel channel sections riveted with a continuous steel cover plate along their upper flanges and batten plates riveted to their lower flanges. The lower chord, verticals and diagonals all consist of two angle sections riveted together with batten plates. The truss sits on a concrete substructure. The plank deck sits on timber stringers which in turn rest on I-beam floor beams. The floor beams are bolted to the superstructure. There is no railing present on the bridge. The integrity of the truss is very good.

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Statement of Significance

Bridge Number 34-120-194 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, 1893-1943" and is classified with the associated property type for iron and steel frame bridges. The bridge is individually eligible for the National Register under C as Pony Trusses are rapidly disappearing from the South Dakota landscape and this bridges maintains excellent integrity.

At the turn of the 20th century, the homesteading boom west of the Missouri River coupled with the expanded agri-business east of the river let to an increased demand for reliable bridges in South Dakota. Accompanying the increase in bridge construction was the emergence of a pattern of business wherein almost every county in the state seemed to be dominated by a different bridge building company.

This pattern began to be evident in the late-19th century. It grew even stronger after the turn of the century when the counties began turning of the system of awarding annual contracts for bridge work. Most typically, the counties awarded annual contracts to the same firm year after year. This relationship between the counties and the bridge firms was probably due to "pooling," an illegal but common practice across the country at this time. Under pooling arrangements, various bridge building firms agreed to divide states among themselves, assigning particular counties to specific firms. Most firms operating in South Dakota at this time were based out-of-state. This pattern of business remained strong in South Dakota until about 1920 when the State Highway Commission strengthened its control over bridge construction practices in the counties.

The Federal Bridge Company of Des Moines, Iowa was especially active in South Dakota in the early 20th century. Officers of the company were Edwin and Hamilton Carpenter who left the Iowa Bridge Company to form their own company. When the company finally appeared in South Dakota in 1911, the Federal Bridge Company was successful in earning annual bridge contracts in Clay, Douglas, Hanson, Hutchinson and Turner Counties. In each county, the Iowa Bridge had controlled the annual bridge contract until the Federal Bridge Company came on the scene.

After the turn of the century, South Dakota counties began to pay more attention to building permanent bridges over smaller creeks. As a result, many pony trusses were constructed throughout

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the state. Pony trusses are a variety of the through truss category in that the roadway passes through or between the trusses, but the pony trusses are small enough not to require overhead bracing to resist the force of winds. A Pratt is comprised of vertical members in compression and diagonal members in tension. The Pratt Bridge design was popular only through 1910. As SD DOT Br. No. 34-120-194 was constructed in 1912, it is an exception to the 1910 ending date for Pratt Bridge construction.

In 1990, 305 truss bridges were listed in the South Dakota inventory as being historically significant bridges. Since that time, 49% have been removed/demolished. This bridge type is the most rapidly disappearing bridge in the State. SD DOT Br. No. 34-120-194 is significant under Criterion C as a Half-Hip Pratt Pony Truss with excellent integrity.

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Bibliography

RTI. *Historic Bridges in South Dakota*. November 1990.

RTI. *Historic Bridges of South Dakota: 1999 Inventory Update*. July 2000.

Verbal Boundary Description

The nominated property consists of a rectangle, 17 feet by 21 feet, whose vertices coincide with the outside corners of the bridge abutments at each end of the bridge, and includes only the bridge superstructure and the 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.