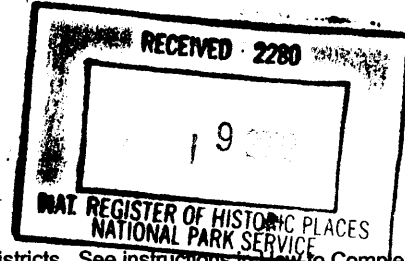


United States Department of the Interior
National Park Service

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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 Bridge Number 42-200-125

other names/site number N/A

2. Location

street & number Three Mile Road not for publication N/A

city or town Canton vicinity X

state South Dakota code SD county Lincoln code 083 zip code 57013

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. Vogt
Signature of certifying official

04-16-2002
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

Name of Property

County and State

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 N/A

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 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

c. 1900

Significant Dates c. 1900

Significant Person (Complete if Criterion B is marked above)
N/A

Cultural Affiliation N/A

Architect/Builder Unknown

Narrative Statement of Significance (Explain the significance of the property on one or more continuation sheets.)

See Continuation Sheets

9. Major Bibliographical References

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS)

- preliminary determination of individual listing (36 CFR 67) has been requested.
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey #
- recorded by Historic American Engineering Record #

Primary Location of Additional Data

- State Historic Preservation Office
- Other State agency
- Federal agency
- Local government
- University
- Other

Name of repository: South Dakota Department of Transportation

10. Geographical Data

Acreeage of Property Less than 1

UTM References

(place additional UTM references on a continuation sheet.)

1	<u>14</u>	<u>700400</u>	<u>4799580</u>	3	<u> </u>	<u> </u>	<u> </u>
	Zone	Easting	Northing		Zone	Easting	Northing
2	<u> </u>	<u> </u>	<u> </u>	4	<u> </u>	<u> </u>	<u> </u>
					<input type="checkbox"/> 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 date January 28, 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 _____
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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National Register of Historic Places Continuation Sheet

Section number 7 Page 1

NARRATIVE DESCRIPTION

South Dakota Department of Transportation Bridge Number 42-200-125 is located in Lincoln County, South Dakota, near the community of Canton. The bridge is located two miles outside of the city of Canton and crosses the Sioux River. The bridge is isolated on a rural road and is surrounded by farmland. The Pratt Through-Truss bridge measures 15.5 feet wide by 243 feet long.

Aligned on an east-west axis, the main span is a single, metal, pin-connected Pratt through-truss with a span length of 90 feet; the eight approach span (four east and four west) are wood-stringer spans with timber bents. The bridge's over all structure length is 243 feet; the deck width is 15.5 feet, carrying a 15.5 feet roadway with no sidewalks. The substructure of the main span consists of tubular steel-plate piers; the abutments for the approach spans have timber wing-walls and timber back-walls. The main-span superstructure is comprised as follows: the upper chords are built of back-to-back channels with V-laced bars above and below, except in the area of portal bracing where a continuous steel plate is riveted above; the lower chords are punched eyebars; the hip verticals are forged round rods; other verticals are back-to-back channels, flanged out, riveted with V-laced bars back and front; the diagonals are punched eyebars, the counters are forged round rods with turnbuckles. The verticals, diagonals, and counters are pin-connected to the chords. The floor system consists of wood stringers resting on built-up fish belly I-beam floor beams, riveted to plate hangers suspended from the lower-chord pins. The deck is new wood planks. The top sway braces are angles; the top and bottom laterals are round eyerods with turnbuckles. The portal bracing consists of angles and flat bars. The movable west bearing is a roller nest. The railings are modern metal guard rails mounted on wood posts and are carried over the approach spans. Repairs to the bridge were completed in 1986.

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Section number 8 Page 2

Statement of Significance

Bridge Number 42-200-125 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 Pratt Through-Trusses are rapidly disappearing from the South Dakota landscape and this bridges maintains good 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 led 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 such 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.

Bridge Number 42-200-125 is a pin-connected Pratt through truss. The pin-connected part of this descriptive name for the truss type means that all of the members of the truss are connected with large pins rather than being riveted. To call a bridge a Pratt truss means that the arrangement of the members follows a particular pattern which was patented in 1844 by Thomas and Caleb Pratt. In a Pratt truss, the vertical members are meant to be compressed and the diagonal members are meant to be in tension or to be stretched. To call a span a through truss means that the deck or roadway of the bridges passes through or between the trusses.

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While there is no paperwork in the South Dakota Department of Transportation, the bridge was clearly constructed circa 1900 and falls into the timeframe of bridge construction where every county in the state was dominated by a different bridge building company. Also, as the bridge has had alterations in 1986, it does not alter its significance. 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. 42-200-125 is significant under Criterion C as a pin-connected Pratt Through Truss with good integrity.

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National Register of Historic Places Continuation Sheet

Section number 9 & 10 Page 4

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, 15.5 feet by 243 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.