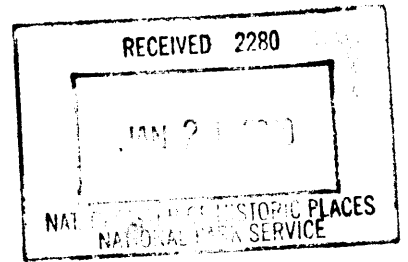


**United States Department of the Interior
National Park Service**

**NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM**

124



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 N/A
other names/site number South Dakota Dept. of Trans. Br. No. 10-270-338

2. Location

street & number Local road over Horse Creek not for publication N/A
city or town Newell Vicinity X
state South Dakota Code SD county Butte code 019 zip code 57760

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this 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 meets does not meet the National Register Criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

Jay D. Vogt
Signature of certifying official

12-06-99
Date

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: 2/18/00

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 (vehicular)

Current Functions (Enter categories from instructions)

Cat: Transportation Sub: Road-related (vehicular)

7. Description

Architectural Classification (Enter categories from instructions)

Other: Lattice Pony Truss

Materials (Enter categories from instructions)

Foundation Metal: 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 _____
 Commerce _____

Period of Significance

1910-1915 _____

Bridge No. 10-270-338
Name of Property

Butte County, South Dakota
County and State

Significant Dates 1910

Significant Person N/A

Cultural Affiliation N/A

Architect/Builder Canton Bridge Company

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: SD Department of Transportation

10. Geographical Data

Acreeage of Property Less than one acre

UTM References

(place additional UTM references on a continuation sheet.)

1	<u>13</u>	<u>618310</u>	<u>4953000</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>

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 Jennifer Traeger/Historian and Wayne Rosby/Engineer
organization Renewable Technologies, Inc. date August 1990
street & number 510 Metals Bank Building telephone (406) 782-0494
city or town Butte state MT zip code 59701

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)

Bridge No. 10-270-338
Name of Property

Butte County, South Dakota
County and State

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.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number 7 Page # 1

Physical Description:

Bridge No. 10-270-338 is located .1 mile north and 4 miles west of Newell and carries a local road over Horse Creek. The 118-foot structure has a 40-foot steel lattice pony truss, three timber approach spans on the north end, and one timber approach span on the south end. The main span rests on four I-beam piles at each end. The approach spans rest on timber piles and wood pile abutments with plank back-walls.

The superstructure of the main span is comprised as follows: the upper chords are a pair of angle sections with a continuous riveted steel plate along the outer edges. The lattice bars are riveted between the angle sections. The lower chords are a single steel angle section. The verticals at the center are pairs of angle sections with side stiffening brackets riveted at the top chord and to a gusset plate below the lower chords. Diagonals are lattice bars and pairs of angle sections. The lattice bars have chrysanthemum-type ornamentation at their mid-point.

The transverse plank deck rests on the flange of the lower chord angle sections at the outer ends and the steel I-beams between. Timber stringers have been added between the I-beam stringers. The floor beam at the center is riveted to a gusset plate. Bottom lateral bracing is round rod cross braces. Railings on the approach are planks.

The bridge retains excellent integrity.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number 8 Page # 2

Significance:

Bridge no.10-270-338 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 A as a representative example of important patterns of bridge construction in South Dakota during the 1890s and through the first two decades of the 20th century, in which a different out-of-state bridge builder tended to dominate bridge construction in each county. It is also eligible for the National Register under Criterion C as a rare example of a riveted lattice pony truss.

Around 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 bridge in South Dakota. Accompanying the increase in bridge construction was the emergence of a pattern of business whereas almost every county in the state seemed to be dominated by a different bridge builder. 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 to 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 then the State Highway Commission strengthened its control over bridge construction practices in the counties.

The activities of the Canton Bridge Company of Des Moines are typical of the bridge-building business in South Dakota during this era. The Canton Bridge Company, based in Canton, Ohio continued to be active in South Dakota well after the turn of the 20th century. Incorporated in 1891, the firm was active in its own state as well as in the trans-Mississippi west. Agents based in Omaha conducted the company's bidding and supervised the company's bridge construction in South Dakota. The company had been active as early as 1897 in Bon Homme and Turner counties. In the 20th century, the Canton firm was successfully bidding on annual contracts in Butte, Harding, and Perkins counties as well as receiving occasional contracts in Aurora, Sully, and other counties. The Canton Bridge Company held the annual bridge-building contract in Butte County from 1905 through 1915.

Bridge No. 10-270-338
Name of Property

Butte County, South Dakota
County and State

NPS FORM 10-900-A
(8-99)

OMB Approval No. 1024-0018

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number 8 Page # 3

Bridge No.10-270-338 is one of only three lattice pony trusses to survive in South Dakota. The Canton Bridge Company built all three of these. Lattice-type pony trusses represent an important experiment in bridge design. Unlike more common pony truss types used in South Dakota in the 1890s and early 1900s, such as the Pratt and Warren which were largely assembled at the construction site, lattice pony trusses were completely assembled at the factory before being shipped. Because it was prefabricated, this bridge type was typically used for relatively short spans. Bridge No.10-270-338 was built in 1910.

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National Register of Historic Places Continuation Sheet

Section number 9, 10 Page # 4

Bibliography:

South Dakota Structure Inventory and appraisal Sheet, Bridge No.10-270-338.

Verbal Boundary Description:

The nominated property consists of a rectangle, 23 feet wide by 123 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.

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

National Register of Historic Places Continuation Sheet

Section number Photos Page # 5

For All Photographs:

Photographer: Stephen Rogers, SHPO Staff

Date: September 1999

Location of negatives: State Historic Preservation Office, Pierre, SD

1. 3/4 view of bridge and approach spans, camera facing SW
2. View of bridge and north approach, camera facing NE
3. Approach view, camera facing S
4. Detail of Manufacturer plaque, "The Canton Bridge Co. Canton Ohio", camera facing E
5. Detail of floret, camera facing E