

1279

NPS Form 10-900  
(Rev. 8-86)

OMB No. 1024-0018  
**RECEIVED**

United States Department of the Interior  
National Park Service

**OCT 25 1993**

NATIONAL REGISTER OF HISTORIC PLACES  
REGISTRATION FORM

NATIONAL  
REGISTER

=====

1. Name of Property

=====

historic name: N/A

other name/site number: South Dakota Dept. of Trans. Br. No. 16-570-054

=====

2. Location

=====

street & number: Local road over Oak Creek

not for publication:     

city/town: Mclaughlin

vicinity: X

state: SD county: Corson

code: 031 zip code: 57642

=====

3. Classification

=====

Ownership of Property: public-local

Category of Property: structure

Number of Resources within Property:

Contributing	Noncontributing	
_____	_____	buildings
_____	_____	sites
<u>  1  </u>	_____	structures
_____	_____	objects
<u>  1  </u>	_____	Total

Number of contributing resources previously listed in the National Register:   0  

Name of related multiple property listing: Historic Bridges in South Dakota

4. 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. See continuation sheet.

Signature of certifying official

Date

10/12/97

State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. See continuation sheet.

Signature of commenting or other official

Date

State or Federal agency and bureau

5. National Park Service Certification

I, hereby certify that this 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 Keeper

Date of Action

LMCullaud 12/9/93

=====  
6. Function or Use  
=====

Historic: Transportation Sub: road-related (vehicular)

Current : Transportation Sub: road-related (vehicular)

=====  
7. Description  
=====

Architectural Classification:

Other \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Other Description: King post, pony truss

Materials: foundation steel roof \_\_\_\_\_  
walls \_\_\_\_\_ other metal: steel  
\_\_\_\_\_

Describe present and historic physical appearance. \_X\_ See continuation sheet.

=====  
8. Statement of Significance  
=====

Certifying official has considered the significance of this property in relation to other properties: \_\_\_\_\_.

Applicable National Register Criteria: A & C

Criteria Considerations (Exceptions) : \_\_\_\_\_

Areas of Significance: Commerce  
Engineering  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Period(s) of Significance: 1911 - 1943

Significant Dates : 1911 \_\_\_\_\_

Significant Person(s): N/A

Cultural Affiliation: N/A

Architect/Builder: Western Bridge & Construction Company  
\_\_\_\_\_  
\_\_\_\_\_

State significance of property, and justify criteria, criteria considerations, and areas and periods of significance noted above.  
X See continuation sheet.

=====  
9. Major Bibliographical References  
=====

X See continuation sheet.

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 -- Specify Repository: South Dakota Department of Transportation

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 10. Geographical Data  
 =====

Acreage of Property: less than 1 acre

UTM References: Zone Easting Northing    Zone Easting Northing

A	<u>14</u>	<u>357870</u>	<u>5081060</u>	B	<u>    </u>	<u>    </u>	<u>    </u>
C	<u>    </u>	<u>    </u>	<u>    </u>	D	<u>    </u>	<u>    </u>	<u>    </u>

     See continuation sheet.

Verbal Boundary Description:      See continuation sheet.

The nominated property consists of a rectangle, 20 feet wide by 36 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:      See continuation sheet.

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.

=====  
 11. Form Prepared By  
 =====

Name/Title: Jennifer Traeger/Historian and Wayne Rosby/Engineer

Organization: Renewable Technologies, Inc.

Date: August 1990/9-93

Street & Number: 510 Metals Bank Bldg.

Telephone: (406)782-0494

City or Town: Butte

State: MT ZIP: 59701

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SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: see below Date Listed: 12/09/93

Property Name: see below

County: see below State: South Dakota

Historic Bridges in South Dakota MPS  
Multiple Name

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The following properties are listed in the National Register of Historic Places in accordance with the attached nomination documentation subject to the following exceptions, exclusions, or amendments, notwithstanding the National Park Service certification included in the nomination documentation.

Sandra McClelland  
Signature of the Keeper

December 9, 1993  
Date of Action

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Amended Items in Nomination:

Section 3/8. State Certification/Statement of Significance. Certifying official has considered the significance of the following properties to be of state significance.

Reference No.	Property	County
93001295	Capa Bridge	Jones County
93001287	Chilson Bridge	Fall River County
93001308	Eighth Street Bridge	Minnehaha County
93001298	Esmond Bridge	Kingsbury County
93001317	Hall Bridge	Spink County
93001274	Hay Creek Bridge	Butte County
93001264	Kemp Avenue Bridge	Codington County
93001266	Larson Bridge	Codington County
93001277	Minnesela Bridge	Butte County
93001268	Old Cochrane Bridge	Deuel County
93001281	Red Shirt Bridge	Custer County
93001300	Redwater Bridge, Old	Lawrence County

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93001269	South Dakota Dept. of Transportation Bridge No. 03-338-100	Beadle County
93001260	South Dakota Dept. of Transportation Bridge No. 03-020-008	Beadle County
93001261	South Dakota Dept. of Transportation Bridge No. 03-327-230	Beadle County
93001270	South Dakota Dept. of Transportation Bridge No. 05-028-200	Bon Homme county
93001271	South Dakota Dept. of Transportation Bridge No. 05-032-170	Bon Homme County
93001272	South Dakota Dept. of Transportation Bridge No. 05-138-080	Bon Homme County
93001273	South Dakota Dept. of Transportation Bridge No. 05-255-130	Bon Homme County
93001276	South Dakota Dept. of Transportation Bridge No. 10-112-355	Butte County
93001275	South Dakota Dept. of Transportation Bridge No. 10-109-360	Butte County
93001278	South Dakota Dept. of Transportation Bridge No. 12-503-230	Charles Mix County
93001265	South Dakota Dept. of Transportation Bridge No. 15-210-136	Codington County
93001279	South Dakota Dept. of Transportation Bridge No. 16-570-054	Carson County
93001280	South Dakota Dept. of Transportation Bridge No. 17-289-107	Custer County
93001282	South Dakota Dept. of Transportation Bridge No. 18-040-137	Davison County
93001283	South Dakota Dept. of Transportation Bridge No. 18-060-202	Davison County
93001284	South Dakota Dept. of Transportation Bridge No. 18-100-052	Davison County
93001285	South Dakota Dept. of Transportation Bridge No. 18-142-150	Davison County
93001286	South Dakota Dept. of Transportation Bridge No. 20-153-210	Deuel County
93001288	South Dakota Dept. of Transportation Bridge No. 25-218-141	Faulk County
93001262	South Dakota Dept. of Transportation Bridge No. 25-380-142	Faulk County
93001289	South Dakota Dept. of Transportation Bridge No. 27-000-201	Gregory County
93001290	South Dakota Dept. of Transportation Bridge No. 27-060-298	Gregory County

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|----------|--|------------------|
| 93001291 | South Dakota Dept. of Transportation Bridge No. 29-221-060 | Hamlin County    |
| 93001292 | South Dakota Dept. of Transportation Bridge No. 29-279-010 | Hamlin County    |
| 93001293 | South Dakota Dept. of Transportation Bridge No. 30-257-400 | Hand County      |
| 93001294 | South Dakota Dept. of Transportation Bridge No. 31-115-110 | Hanson County    |
| 93001297 | South Dakota Dept. of Transportation Bridge No. 39-006-070 | Kingsbury County |
| 93001299 | South Dakota Dept. of Transportation Bridge No. 39-176-100 | Kingsbury County |
| 93001301 | South Dakota Dept. of Transportation Bridge No. 44-028-220 | McCook County    |
| 93001302 | South Dakota Dept. of Transportation Bridge No. 44-212-090 | McCook County    |
| 93001303 | South Dakota Dept. of Transportation Bridge No. 47-215-363 | Meade County     |
| 93001263 | South Dakota Dept. of Transportation Bridge No. 47-151-389 | Meade County     |
| 93001305 | South Dakota Dept. of Transportation Bridge No. 48-244-204 | Melette County   |
| 93001306 | South Dakota Dept. of Transportation Bridge No. 49-095-190 | Miner County     |
| 93001267 | South Dakota Dept. of Transportation Bridge No. 50-200-035 | Minnehaha County |
| 93001310 | South Dakota Dept. of Transportation Bridge No. 56-090-096 | Sanborn County   |
| 93001312 | South Dakota Dept. of Transportation Bridge No. 56-174-090 | Sanborn County   |
| 93001311 | South Dakota Dept. of Transportation Bridge No. 56-117-123 | Sanborn County   |
| 93001313 | South Dakota Dept. of Transportation Bridge No. 58-010-376 | Spink County     |
| 93001314 | South Dakota Dept. of Transportation Bridge No. 58-021-400 | Spink County     |
| 93001315 | South Dakota Dept. of Transportation Bridge No. 58-025-370 | Spink County     |
| 93001316 | South Dakota Dept. of Transportation Bridge No. 58-062-270 | Spink County     |
| 93001318 | South Dakota Dept. of Transportation Bridge No. 58-120-231 | Spink County     |
| 63001319 | South Dakota Dept. of Transportation Bridge No. 58-140-224 | Spink County     |

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63001320	South Dakota Dept. of Transportation Bridge No. 58-218-360	Spink County
63001321	South Dakota Dept. of Transportation Bridge No. 62-220-512	Tripp County
63001322	South Dakota Dept. of Transportation Bridge No. 64-061-199	Union County
93001309	Split Rock Park Bridge	Minnehaha County
93001304	Stamford Bridge	Miner County
93001307	Summit Avenue Viaduct	Minnehaha County
93001296	Van Metre Bridge	Jones County

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Section 8: Applicable Criteria

93001266 Larson Bridge Codington County

Criterion C should be checked and not A to be consistent with bridge's significance in engineering for its method of construction.

Section 8: Period of Significance

93001266 Larson Bridge Codington County

Period of significance is amended to read "1917" to indicate date of construction and to be consistent with significance in engineering.

93001281 Red Shirt Bridge Custer County

Period of significance is amended to read "1943-1944" to cover the period of construction.

93001278 South Dakota Dept. of Transportation Bridge No. 12-503-230  
Faulk County

Due to typographical error, period of significance is corrected to read " 1920-1943."

93001265 South Dakota Dept. of Transportation Bridge No. 15-210-136  
Codington County

Period of significance is amended to read "1917" since significance is under criterion C in engineering and the date of construction should be entered.

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93001262 South Dakota Dept. of Transportation Bridge No. 25-380-  
142 Faulk County

Period of significance is amended to read "1902" because the area of significance is engineering and the period of significance should be based on the date of construction. The bridge was moved from its original site in 1955.

Section 8: Date of Significance

93001308 Eighth Street Bridge Minnehaha County

"1977" is deleted because the date lies outside the period of significance.

93001317 Hall Bridge Spink County

"1904" is deleted because bridge is significant under criterion C for engineering and the move in 1904 falls outside the period of significance which is based on the date of construction and does not appear to have particular importance.

93001286 South Dakota Dept. of Transportation Bridge No. 20-153-  
210 Deuel County

"1960" is deleted because the date lies outside the period of significance.

93001262 South Dakota Dept. of Transportation Bridge No. 25-380-  
142 Faulk County

"1955" is deleted because the date lies outside the period of significance.

93001302 South Dakota Dept. of Transportation Bridge No. 44-212-  
090 McCook County

"1960" is deleted because the date lies outside the period of significance.

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93001267 South Dakota Dept. of Transportation Bridge No. 50-200-  
035 Minnehaha County

"1935" is deleted because the date lies outside the period of significance which is based on the date of construction.

93001311 South Dakota Dept. of Transportation Bridge No. 56-117-  
123 Sanborn County

"1905" is deleted because the date lies outside the period of significance and does not appear to have particular importance.

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Melissa Dirr, architectural historian, of the South Dakota State Historic Preservation Office was notified of the above-mentioned amendments by telephone on December 09, 1993.

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**DISTRIBUTION:**

**National Register property file  
Nominating Authority (without nomination attachment)**

United States Department of the Interior  
National Park Service

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Section number 7 Bridge No. 16-570-054 Page 6  
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Bridge No. 16-570-054 is located 3.6 miles north and 1 mile west of McLaughlin and carries a local road over Oak Creek. This 31 foot, riveted, King post, pony truss span sits on two steel channel sections riveted to steel I-beam pile abutments with plank backwalls. The truss is comprised as follows: the upper chords consist of two steel channel sections riveted with a continuous steel cover plate along their upper flanges and with batten plates riveted along their lower flanges; the lower verticals consist of paired steel angle sections riveted with lacing bars. The deck, which consists of wood planks with an additional plank wearing surface, is supported on steel I-beam stringers. The outside I-beam stringers are steel channel sections, which are bolted atop a steel I-beam floor beam and the channel sections of the abutments. The floor beam is riveted with gusset plates to the verticals below the lower chords. The sway bracing consists of steel angle section knee bracing riveted to the inside of the verticals and to the top of the floor beam. Bottom lateral bracing consists of steel round rod cross-bracing. There is no railing.

The bridge retains good integrity.

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Bridge No. 16-570-054

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Bridge no. 16-570-054 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. 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 the oldest surviving truss in Corson County by long term county bridge builder, Western Bridge and Construction Company.

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 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 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 when the State Highway Commission strengthened its control over bridge construction practices in the counties.

The Western Bridge and Construction company was one of several important Omaha based contractors operating in South Dakota. John W. Towle of Omaha organized the firm in about 1907. A native of Nebraska, Towle received his education in civil engineering at Cornell University and returned to his home state, where he worked in the late 1890s as the general western agent for the Canton Bridge Company. Just after the turn of the 20th century, he started his own bridge-building company, which by

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8. Significance (continued)

1907 was known as the Western Bridge and Construction Company. The Western Bridge Company held the Corson County bridge building contract from 1911 into the 1930s.

Bridge No. 16-570-054, a riveted, King Post pony truss was built in 1911. Among the five surviving bridges built in Corson County by the Western Bridge and Construction Company, Bridge No. 16-570-054 is the oldest.

9. Bibliography

Corson County Commissioners Proceedings, Book 1, Pages 28, 30, & 35.