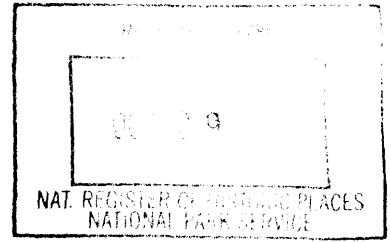


United States Department of the Interior
National Park Service

1440



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 Spring Valley Township Bridge No. E-31
other names/site number _____

2. Location

street & number Local road over unnamed stream not for publication ___
city or town Viborg vicinity X
state South Dakota code SD county Turner code 125 zip code 57070

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

10-04-99
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

Date of Action

James McMillan 12/9/99

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	
0	0	buildings
0	0	sites
1	0	structures
0	0	objects
1	0	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 & Federal Relief Construction 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: Stone Arch

Materials (Enter categories from instructions)

foundation Stone
roof _____
walls _____
other Stone

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)

Politics/Government _____
 Engineering _____

Period of Significance

1938 _____

Significant Dates 1938

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

Cultural Affiliation N/A

Architect/Builder Designer: Turner County Highway Department
Builder: WPA; Turner county Highway Department

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

Acreege of Property Less than 1 acre

UTM References

(place additional UTM references on a continuation sheet.)

1	<u>14</u> Zone	<u>641500</u> Easting	<u>4781420</u> Northing	3	<u> </u> Zone	<u> </u> Easting	<u> </u> 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 Renewable Technologies, Inc. and SD SHPO
 organization _____ date July 7, 1999
 street & number 510 Metal Bank Bldg. 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)

Spring Valley Township Bridge No. E-31

Name of Property

Turner 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.

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Architectural Description

Spring Valley Township Bridge No. E-31 carries an unpaved road over an unnamed creek about 9 miles west of Viborg. Built of native granite and quartzite fieldstone, the bridge is a triple-span, rubble, stone arch with flared, sloped wing walls. Finished with a concrete coping, the spandrel walls rise above the roadway to form a low curb or parapet. Springing about 16 inches above grade, each arch rises 4 feet over a span of 10 feet. Matched for color, shape, and size, the ring stones measure approximately 7 inches in width and 16 inches in height. On the west elevation, the ring stones of the north arch are collapsing. The vault of the south arch is badly spalling, despite extensive remortaring. Each arch has a concrete-slab floor as a protection against scour. Nevertheless, scour has eaten away pockets at the central pier of the east elevation, as well as along the southeast wing wall. The piers on the west elevation have been buttressed by poured, concrete blocks. These alterations have not significantly affected the bridge's integrity which remains very good. Above the center pier of the east elevation, a mortar inscription identifies the construction date as "1938."

Statement of Significance

Spring Valley Township Bridge No. E-31 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 masonry arch bridges. This bridge is individually eligible for the National Register under Criterion A for its association with the New Deal bridge construction projects of Turner County. It is also eligible under Criterion C as a representative example of a stone arch bridge. The bridge retains very good integrity.

Bridge construction in South Dakota resumed in the mid-1930s under President Franklin D. Roosevelt's New Deal programs. Almost immediately after Roosevelt took office in early 1933, the Congress began passing legislation to implement his recommended relief measures, and by September of that year, federal officials were meeting in Pierre to plan highway projects for South Dakota to be undertaken with federal assistance. In general, the federal agencies paid for labor, while the state or local highway departments paid for supervision, engineering, and materials. The intent was to put as many men to work as possible with minimal investment on the part of the financially strapped local governments.

Federal assistance during the New Deal era also went directly to the counties in the form of relief assistance, in which the counties generated works projects for people who were out of work. This

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money no doubt found its way to local bridge projects throughout the state, but the legacy surviving in Turner County stands out. Because of the availability of good building stone and skilled masons in the county, relief organizers employed crews under the direction of a bridge foreman to build stone arch bridges to replace old wood structures and also to build stone abutments under existing steel bridges. The bridge designs were based on standard State Highway Commission designs.

The use of stone and subsidized labor allowed Turner County to build bridges at one-fourth the cost of comparable steel or concrete structures. Reportedly, the use of stone had the added advantage of providing less tedious work for the relief workers than building conventional bridges. Between July 1934 and September 1936, Turner County built 65 stone bridges and continued to build them through the end of the New Deal era.

Spring Valley Township Br. No. E-31 embodies the standard, stone arch highway bridge plan developed by the Turner County Highway Department in 1934 for local work-relief projects. Bridge E-31 is unique in that it is the only triple-span stone arch standing, and probably the only one constructed. Also, its stonework is generally of higher quality, showing greater precision in crafting of the ring stones. This bridge is one of 180 stone arch bridges built during the period, surviving in Turner County.

Bibliography

George R. Pasco, "Rock Bridge Construction by Relief Labor," Public Works (September 1936), 49.

Verbal Boundary Description

The nominated property consists of a rectangle, 32 feet wide by 45 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

Name of Property

County, South Dakota
County and State

NPS FORM 10-900-A
(8-88)

OMB Approval No. 1024-0016

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National Park Service**

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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.