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

**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 N/A  
other names/site number South Dakota Department of Transportation Bridge No. 63-160-056

**2. Location**

street & number Local Road over East Fork of Vermillion River not for publication   
city or town Parker vicinity   
state South Dakota code SD county Turner code 125 zip code 57053

**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

09-27-99  
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

*Sandra McAllister*      11-19-99

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**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	
<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

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**6. Function or Use**

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**Historic Functions** (Enter categories from instructions)

Cat: Transportation Sub: Road Related  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Current Functions** (Enter categories from instructions)

Cat: Transportation Sub: Road Related  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**7. Description**

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**Architectural Classification** (Enter categories from instructions)

Other: Pratt Through Truss  
\_\_\_\_\_  
\_\_\_\_\_

**Materials** (Enter categories from instructions)

foundation Stone  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Period of Significance**

1905 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Significant Dates**    1905  
 \_\_\_\_\_  
 \_\_\_\_\_

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

**Cultural Affiliation**    N/A  
 \_\_\_\_\_  
 \_\_\_\_\_

**Architect/Builder**    Crane, A.J. and Sons  
 \_\_\_\_\_

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

See Continuation Sheets

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## 9. Major Bibliographical References

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(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

Name of Property

County and State

10. Geographical Data

Acreeage of Property Less than one acre

UTM References

(place additional UTM references on a continuation sheet.)

1 14 665250 4809300 3 Zone Easting Northing
2 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 Renewable Technologies Inc and SD SHPO
organization date August 11, 1999
street & number 510 Metals Bank Bldg telephone 4046-782-0494
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)

**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 Park Service

# National Register of Historic Places Continuation Sheet

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## Architectural Description

Carrying an unpaved road over the East Fork of the Vermillion River about 3 miles northeast of Parker, Bridge No. 63-160-056 is a 105-foot, steel, pin-connected, 6-panel, Pratt through truss. The web is configured as follows: upper chords consist of paired, back-to-back channel sections with their top flanges riveted to a continuous cover plate and their bottom flanges riveted to batten plates; verticals in the end panels are paired, forged, square-section eyerods; verticals in the remaining panels are paired, back-to-back channel sections riveted to V-lacing on both sides; diagonals are paired, forged rectangular-section eyebars; counters are single, forged, cylindrical eyerods with turnbuckles; lower chords are paired, forged, rectangular-section eyebars. Supporting timber stringers and decking, the bridge's floor beams are rolled I-beams riveted by means of short angle sections to hanger plates suspended from the lower-chord pin connections. Portal bracing consists of paired, back-to-back angle sections. Overhead sway bracing consists of an angle-section knee brace connecting the upper portion of the verticals to transverse I-beam struts. Top lateral and bottom lateral bracing makes use of cross-braced cylindrical eyerods. The superstructure rests on rubble fieldstone abutments with flared wing walls. The abutments are surmounted by perpendicular concrete walls forming abbreviated, right-angled railings on each side of the approach. The truss itself has plank railings. Although there have been alterations to the substructure, the bridge retains good integrity.

## Statement of Significance

Bridge no. 63-160-056 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 C for its association with South Dakota bridge-building firm, J.A. Crane and Sons. The bridge retains good integrity.

While the iron and steel frame bridge-building market in South Dakota was for the most part dominated by out-of-state firms, there were several notable South Dakota based firms. One such early 20th century bridge-building firm in South Dakota was J.A. Crane and Sons, based in Centerville. Little is known of Crane or his company, other than the fact that he began bidding on projects in Turner County, as early as 1894. Between 1900 and 1905, he was successfully bidding on projects in Turner County, receiving several contracts during that period. Crane was also the



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successful bidder during several years in Clay County during the early 1900s and bid on projects in Nebraska as well.

Bridge No. 63-160-056 was authorized in May 1905, when the county board instructed the County Auditor to advertise for bids for a bridge over the East Fork of the Vermillion River, between Sections 2 and 3 in Parker Township. In July of that same year, the construction contract was awarded to J.A. Crane and Sons of Centerville, South Dakota. Bridge No. 63-160-056 is one of only two bridges built by J.A. Crane known to survive, and both are located in Turner County.

## Bibliography

Turner County Commissioners Record, Volume D, May 16, 1905, p. 176; July 5, 1905.

County Commissioners Record, Volume C, September 5, 1901, p.391.

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

## Verbal Boundary Description

The nominated property consists of a rectangle, 20 feet wide by 110 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.