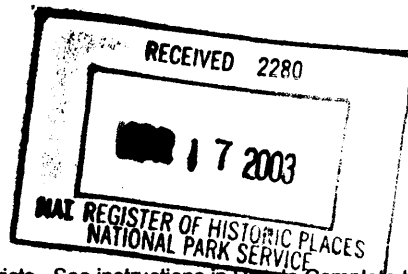


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**United States Department of the Interior  
National Park Service**



**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 Cherry Rock Park Bridge  
other names/site number 50-214-225

**2. Location**

street & number Cherry Rock Park not for publication N/A  
city or town Sioux Falls vicinity N/A  
state South Dakota code SD county Minnehaha code 099 zip code \_\_\_\_\_

**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 04-14-2003  
Signature of certifying official Date

South Dakota State Historic Preservation Officer  
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. Beal Date of Action: 5/30/03

**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: Pedestrian-Related  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**7. Description**

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

Other: Pratt Pony Truss and Parker Through  
Truss  
\_\_\_\_\_

**Materials** (Enter categories from instructions)

foundation Stone  
roof \_\_\_\_\_  
walls \_\_\_\_\_  
other Metal  
\_\_\_\_\_

**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**

1902 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Cherry Rock Park Bridge  
Name of Property

Minnehaha County, South Dakota  
County and State

Significant Dates 1902  
\_\_\_\_\_  
\_\_\_\_\_

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

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

Architect/Builder C. A. Grinde Co. and John Ringdahl (piers)  
\_\_\_\_\_

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: \_\_\_\_\_

Cherry Rock Park Bridge  
Name of Property

Minnehaha County, South Dakota  
County and State

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## 10. Geographical Data

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**Acreage of Property** Less than 1

### UTM References

(place additional UTM references on a continuation sheet.)

1	<u>14</u>	<u>685448</u>	<u>4822874</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

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## 11. Form Prepared By

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name/title Lynda B. Schwan  
organization SD SHPO date August 12, 2002  
street & number 900 Governors Drive telephone 605-773-6056  
city or town Pierre state SD zip code 57501

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## Additional Documentation

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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)

Cherry Rock Park Bridge  
Name of Property

Minnehaha County, South Dakota  
County and State

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**Property Owner**

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(Complete this item at the request of the SHPO or FPO.)

name City of Sioux Falls  
street & number 224 W 9<sup>th</sup> St telephone \_\_\_\_\_  
city or town Sioux Falls state SD zip code 57102

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**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

Cherry Rock Park Bridge is located in Cherry Rock Park, in Sioux Falls, the county seat of Minnehaha County. Historically, it carried a vehicular road over the Big Sioux River but was converted to pedestrian traffic in 1984 as part of the hiking/biking trails in Sioux Falls. It was built in 1902 by the C. A. Grinde Company at an overall length of 192 feet.

The bridge is constructed in two sections, a Pratt Pony Truss and a Parker Through Truss. It is aligned on an east-west axis over the River with the Pratt Pony Truss at the east end. The Pratt Pony Truss rest on quartzite foundations that were replaced as part of a WPA project in the 1930's. This portion of the bridge measures 30 feet long and 17 feet wide. The superstructure is a pin-connected, two-panel Pratt Pony Truss with angle section railings. The truss web is configured as follows: the upper chords consists of back-to-back channel sections riveted to a continuous cover plate and V-lacing; the verticals consist of off-set, back-to-back angle sections riveted to batten plates to approximate a small "t" section; the diagonals are rectangular section eyebars; the lower chords consists of paired rectangular section eyebars. The I-beam floor beams are riveted, by means of angle sections, to hangar plates at the lower-panel pin connections. Sway bracing consists of single, angle-section knee braces, on the roadway side of the web, connecting the bottoms of verticals to the floor beams.

The west portion of the bridge is a Parker Through Truss. This portion of the bridge also rests on a quartzite foundations that were replaced as part of a WPA project in the 1930's. This portion of the bridge measures 159 feet long and 17 feet wide. The superstructure consists of the following: the upper chord is built of back-to-back channels with a continuous steel cover plate riveted above and batten plated riveted below; the lower chords are punched eyebars; the verticals are back-to-back channels with V-laced bars riveted front and back; the diagonals are punched eyebars; and the counters are forged round rods with turnbuckles. Panel intersections are pin-connected. The floor system is comprised of metal I-beam stringers bolted to metal I-beam floor beams, which are suspended by U-bolt hangers. The portal bracing is made of angles; the top struts are angles; the top laterals are round rods.

The decking of each portion of the bridge is steel grate deck. Historically, the bridge had a wood deck but it was replaced with the steel grate deck in 1960. The north half of the deck has been covered with wood decking for pedestrian traffic. A wooden railing consisting of three horizontal members has been installed on the inside of the bridge for pedestrian safety.



United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 8 Page 2

Cherry Rock Park Bridge 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 C as a representative example of rare example of a pin-connected Parker Through truss as well as an excellent example of a Pratt Pony Truss. The bridge retains excellent integrity.

Sioux Falls is the county seat of Minnehaha County. A farming region characterizes the surrounding area. Settlement in the city of Sioux Falls began in 1856 when the Western Town Company of Dubuque, Iowa founded the town site. From 1870 to 1890 the population of Minnehaha County jumped from 355 to 21,870. Sioux Falls has the largest population in the State of South Dakota.

Cherry Rock Park is located on the east side of Sioux Falls. In the early 1890's the park was famous for its swimming hole. Many stories have been written about community members swimming and playing in the park. In 1901 plans were approved for the construction of a single steel span bridge at this site. This bridge created a link from east to west in the City and was named East 17<sup>th</sup> Street. John Ringdahl, a contractor, constructed the two rock piers for the bridge in 1901. The actual contract for the bridge was awarded to Charles Ross and the C.A. Grinde Company completed the work by 1902.

At the turn of the 20<sup>th</sup> century, the homesteading boom west of the Missouri River coupled with the extended agri-business east of the river led to an increased demand for reliable bridges in South Dakota. The eastern region's dependence on the export of farm products grew quickly during this time frame. The early 20<sup>th</sup> century witnessed a tremendous increase in the construction of new or replacement bridges, especially made of steel. The bridge at Cherry Rock Park is an original cross for its location and is of a much earlier construction.

As counties began to build larger bridges to cross the large rivers in South Dakota, county officials relied on engineering firms with experience in bridge design and construction. South Dakota followed national trends of using metal-truss bridges mostly for long spans, usually over 100 feet in length. To be termed a through truss, the deck or roadway of the bridges passes through or between the trusses. Through trusses also have overhead bracing to resist horizontal wind loads. Truss bridges receive their name from the manufacturer or designer of the system: Parker, Pratt or Warren. A Pony Truss is a variant of the Through Truss. While the roadway or deck still passes through, or between, the trusses, there are no overhead bracing to resist wind force.

United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 8, 9 & 10 Page 3

The bridge located at the Big Sioux River in Cherry Rock Park reflects the overall characteristics of both the Parker Through Truss and the Pratt Pony Truss. This bridge follows national trends in that it is constructed using a metal-truss system.

According to the Historic Bridges in South Dakota. 1893-1941 MPL, a through truss bridge which is a Pratt, Parker or Warren Truss are to be considered a representative of an important design. Both components of this bridge, the Pratt Pony truss at the east side and the Parker Through truss at the west side, are of the significant important design. The Cherry Rock Park Bridge is located in Sioux Falls over the Big Sioux River. The bridge is eligible under Criterion C for its engineering design.

### **Bibliography:**

*Historic Bridges in South Dakota.* November 1990.

*Pedestrian Structures Bridge Inspection.* City of Sioux Falls, 2001.

### **Verbal Boundary Description:**

The nominated property consists of a rectangle, 17 feet wide by 192 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 in a public park, 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.