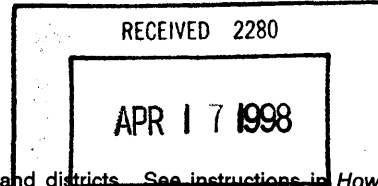


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United States Department of the Interior
National Park Service

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 in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" or "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 Cornelia Lake Bridge

other names/site number _____

2. Location

street & number _____ county park footpath over inlet of Cornelia Lake not for publication

city or town 4.9 miles northeast of Clarion vicinity

state Iowa code IA county Wright code 197 zip code 50525

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, 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.)

Patricia Quirk DSHP 4-7-98
 Signature of certifying official/Title Date
STATE HISTORICAL SOCIETY OF IOWA
 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 certifying official/Title Date

 State or Federal agency and bureau

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):

Edson H. Beall 5-15-98

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

(Do not include previously listed resources in the count)

Contributing	Noncontributing	
0	0	buildings
0	0	sites
1	0	structures
0	0	objects
1	0	Total

Name of related multiple property listing

(Enter "N/A" if property is not part of a multiple property listing)

Highway Bridges of Iowa

Number of contributing resources previously listed in the National Register

0

6. Function or Use

Historic Functions

(Enter categories from instructions)

TRANSPORTATION/road-related

Current Functions

(Enter categories from instructions)

TRANSPORTATION/pedestrian-related

7. Description

Architectural Classification

(Enter categories from instructions)

other: pinned Pratt pony truss

Materials

(Enter categories from instructions)

foundation Concrete

walls

roof

other Steel

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets)

Located 4.9 miles northeast of Clarion, the Cornelia Lake Bridge spans an inlet of Cornelia Lake in a rural Wright County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 1 construction date: 1877; moved 1986
 span length: 80.0' construction cost: \$1300.00
 total length: 80.0' current condition: good
 roadway wdt.: 12.0' alterations: truss moved and widened; deck and guardrails replaced

superstructure: steel, 6-panel, pin-connected Pratt pony truss
 substructure: concrete cylinders
 floor/decking: timber deck over timber stringers
 other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with double lacing; diagonal: 2 looped rectangular eyebars; counter: 1 round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: timber; cast iron hip blocks and bearing shoes

Other than its move and subsequent maintenance-related repairs, the bridge remains essentially unaltered. The Cornelia Lake Bridge today retains a high degree of integrity of design, materials and workmanship.

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)

Property is:

- A** owned by a religious institution or used for religious purposes.
- B** removed from its original location.
- C** a birthplace or 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.

Narrative Statement of Significance

(Explain the significance of the property on continuation sheets.)

Areas of Significance

(Enter categories from instructions)

ENGINEERING

Period of Significance

1877; moved 1986

(The period of significance is derived from the original construction date.)

Significant Dates

1877; moved 1986 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

designer:

Wrought Iron Bridge Company, Canton OH

fabricator:

Wrought Iron Bridge Company, Canton OH

builder:

A.S. Leonard

9. Major Bibliographical References**Bibliography**

(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:

10. Geographical Data

Acreage of Property less than one acre

UTM References

(Place additional UTM references on a continuation sheet)

1 15 443240 4737740 2 zone easting northing zone easting northing

Verbal Boundary Description

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel measuring 14 feet by 80 feet, which is centered on the UTM point(s) listed above. Included within this rectangular parcel are the bridge's superstructure, substructure, approach spans and floor system.

Boundary Justification

(Explain why the boundaries were selected)

The nominated structure includes the bridge's superstructure, substructure, floor system, any approach spans and the property on which they rest. These boundaries encompass, but do not exceed, all of the property that has been historically associated with the bridge.

11. Form Prepared By

name/title Clayton B. Fraser organization Fraserdesign date 31 August 1994 street & number 1269 Cleveland Avenue telephone 303-669-7969 city or town Loveland state Colorado zip code 80537

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps

- A USGS map (7 1/2 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 SHPO or FPO)

name/title Wright County street & number P.O. Box 269 telephone 515-532-3597 city or town Clarion state Iowa zip code 50525

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 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 Projects (1024-0018), Washington, DC 20503.

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

**National Register of Historic Places
Continuation Sheet**

Section Number 8 Page 1 Cornelia Lake Bridge Wright County; Iowa

Although no longer in its original location, this structure is Wright County's oldest steel truss. The bridge was built across the Iowa River in Section 24 of what is now Grant Township, but prior to 1898 it was part of Belmont Township. The structure was erected in 1877 by local contractor A.S. Leonard using steel supplied by the Wrought Iron Bridge Company of Canton, Ohio. A bridge construction contract was let to Leonard on June 2, 1877, and during that summer he erected the 80-foot truss with a 56-foot approach span. Subsequently, on September 4, 1877, a warrant in the amount of \$1300.00 was issued to Leonard. During much of its existence, the structure was known as the Berry [Barry] Bridge, named for adjacent landowner James Berry. The truss served in its original location for more than 100 years, until it was replaced in 1986. At that time it was determined eligible for inclusion in the National Register of Historic Places, and documented in accordance with Historic American Engineering Record standards. The main span was then moved to nearby Cornelia Lake Park where it currently spans a small inlet and is used by pedestrians.

In the early 1880s, the pin-connected Pratt truss superseded the bowstring arch-truss as the iron bridge of choice for medium-span wagon crossings. Patented in 1844 by Thomas and Caleb Pratt, the Pratt design is distinguished by vertical members acting in compression and diagonals that act in tension. "The Pratt truss is the type most commonly used in America for spans under two hundred and fifty (250) feet in length," noted bridge engineer J.A.L. Waddell wrote in 1916. "Its advantages are simplicity, economy of metal, and suitability for connecting to the floor and lateral systems." Virtually all of the in-state and regional bridge manufacturers marketed the Pratt truss to Iowa's counties. As one of the most active bridge fabricators supplying all-iron spans to the state, the Wrought Iron Bridge Company personified this trend. One of hundreds of bowstrings and trusses erected by WIBCo across the state, the Cornelia Lake Bridge is distinguished as the oldest Pratt pony truss in Iowa. Its subsequent move and alterations have diminished the structure's interpretive value somewhat, but it still remains one of the state's most important early vehicular bridges.

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

**National Register of Historic Places
Continuation Sheet**

Section Number 9 Page 2 Cornelia Lake Bridge Wright County; Iowa

Iowa Department of Transportation, Structure Inventory and Appraisal: Structure Number 358310.

Wright County Board of Supervisors' Minutes, Book 2: page 244 (5 June 1877), page 251 (25 June 1877), page 259 (4 September 1877), located at Wright County Courthouse, Clarion IA.

Field inspection by Clayton Fraser, 15 June 1990.