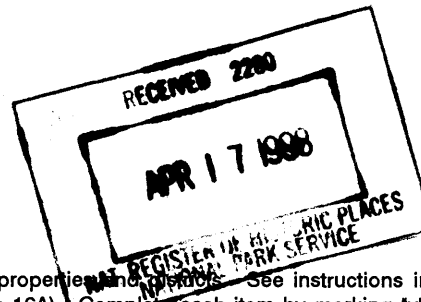


**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Registration Form**



508

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 an 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 Miller Bridge

other names/site number _____

2. Location

street & number Mc Bride Trailover unnamed stream not for publication

city or town 7.0 miles northeast of Winterset vicinity

state Iowa code IA county Madison code 121 zip code 50273

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 Oberkny DSHPO 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/road-related

7. Description

Architectural Classification

(Enter categories from instructions)

other: pinned Pratt pony truss

Materials

(Enter categories from instructions)

foundation Timber/concrete

walls

roof

other Wrought iron

Narrative Description

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

Located 7.0 miles northeast of Winterset, Miller Bridge spans an unnamed stream in a rural Madison County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 1 construction date: 1884
 span length: 82.0' construction cost: \$2197.55
 total length: 128.0' current condition: fair
 roadway wdt.: 13.5' alterations: various repairs

superstructure: wrought iron, 5-panel, pin-connected Pratt pony truss, with timber stringer approaches
 substructure: timber and concrete abutments with concrete-filled iron cylinder piers
 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 punched rectangular eyebars; vertical: 2 tees with lacing; diagonal: 2 looped round eyerods with turnbuckles; lateral bracing: round rod with threaded ends; floor beam: 2 channels bolted to vertical; I-beam, U-bolted to vertical (added); guardrail: timber

Other than maintenance-related repairs, the bridge remains essentially unaltered as it continues to carry vehicular traffic. The Miller Bridge today retains a high degree of integrity of location, design, setting, materials, workmanship, feeling and association.

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.

Areas of Significance

(Enter categories from instructions)

ENGINEERING

Period of Significance

1884

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

Significant Dates

1884 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

designer:

King Iron Bridge and Manufacturing Co.

fabricator:

King Iron Br. & Mfg. Co.; Trenton Iron Wks.

builder:

H.P. Jones and G.K. Foster

Narrative Statement of Significance

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

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 DataAcreage of Property less than one acre**UTM References**

(Place additional UTM references on a continuation sheet)

1 15 421210 4584770
zone easting northing2 _____
zone easting northing**Verbal Boundary Description**

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel measuring 16 feet by 128 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 Byname/title Clayton B. Fraserorganization Fraserdesign date 31 August 1994street & number 1269 Cleveland Avenue telephone 303-669-7969city or town Loveland state Colorado zip code 80537**Additional Documentation**

Submit the following items with the completed form:

Continuation Sheets**Maps**A **USGS map** (7½ or 15 minute series) indicating the property's locationA **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 Madison Countystreet & number P.O. Box 152 telephone 515-462-1136city or town Winterset state Iowa zip code 50273

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 Miller Bridge Madison County; Iowa

Among the Madison County bridges included in Iowa's historic bridge inventory is this five-panel, pin-connected Pratt pony truss. The structure crosses an unnamed stream along a secondary road seven miles northwest of Winterset in Union Township. Named the Miller Bridge after an adjacent landowner, the structure features early Pratt truss characteristics, including tee-iron verticals, unslotted turnbuckles and channel floor beams. The substructure is comprised of concrete-filled iron cylinder piers with timber and concrete abutments. The Miller Bridge dates to 1884. In the spring of that year the Madison County Board of Supervisors received a petition for a permanent structure at this crossing. The county contracted with local contractor V.S. Callison to provide and erect an 80-foot iron bridge. But when Callison had failed to begin construction by July, the supervisors released him from the contract and solicited competitive bids for an 82-foot iron truss. Proposals were received from the Milwaukee Bridge Company, Raymond and Campbell, the Smith Bridge Company and King and Twiss of Des Moines. Low bidder at \$764.56, King and Twiss received the contract to supply the truss. The county then hired local contractors H.P. Jones and G.K. Foster to build the iron tube substructure (also supplied by King) and erect the truss. Completed later that year, the Miller Bridge has functioned in place since, with only maintenance-related repairs.

From the 1880s through the 1910s, thousands of pinned Pratt pony trusses were erected on Iowa's roadways. Although several hundred of these structures remain in use today, less than fifty are known to predate the turn of the century. Fewer yet of the 19th century survivors remain structurally intact. The Miller Bridge stands out as one of Iowa's earliest documented Pratt pony trusses still intact.

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

**National Register of Historic Places
Continuation Sheet**

Section Number 9 Page 2 Miller Bridge Madison County; Iowa

Iowa Department of Transportation, Structure Inventory and Appraisal: Structure No. 233810.

Madison County Board of Supervisors' Minutes, Book D: page 122 (11 April 1884), page 146 (26 July 1884), located at the Madison County Courthouse, Winterset IA.

Madison County Auditor's Report, 8 January 1885, located at the Madison County Courthouse, Winterset IA.

Madison County Bridge Books Number 1 and 2, located at the Madison County Engineer's Office, Winterset IA.

Field inspection by Clayton Fraser and Sheila Bricher-Wade, 25 March 1990.