NPS Form 10-900
(Rev. 8-86)

1836

OMB No. 1024-0018

United States Department of the Interior
National Park Service

National Register of Historic Places Registration Form

SEP 29 1989

NATIONAL REGISTER

This form is for use in nominating or requesting determinations of eligibility for individual properties or districts. See instructions in *Guidelines for Completing National Register Forms* (National Register Bulletin 16). Complete each item by marking "x" in the appropriate box or by entering the requested information. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, styles, materials, and areas of significance, enter only the categories and subcategories listed in the instructions. For additional space use continuation sheets (Form 10-900a). Type all entries.

1. Name of Property

historic name Third Street Bridge
other names/site number Bridge No. L-5391
Old Iron Bridge

2. Location

street & number 3rd St. N. over Cannon River ☐ not for publication N/A
city, town Cannon Falls ☐ vicinity N/A
state Minnesota code MN county Goodhue code 049 zip code 55009

3. Classification

Ownership of Property	Category of Property	Number of Resources within Property	
		Contributing	Noncontributing
☐ private	☐ building(s)		buildings
☒ public-local	☐ district		sites
☐ public-State	☐ site	1	structures
☐ public-Federal	☒ structure		objects
	☐ object	1	0 Total

Name of related multiple property listing:
Iron & Steel Bridges in Minnesota

Number of contributing resources previously listed in the National Register 0

4. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1966, 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. ☐ See continuation sheet.

Nina M. Archabal — 9/22/89

Signature of certifying official Nina M. Archabal — Date

State Historic Preservation Officer

State or Federal agency and bureau Minnesota Historical Society

In my opinion, the property ☐ meets ☐ does not meet the National Register criteria. ☐ See continuation sheet.

Signature of commenting or other official — Date

State or Federal agency and bureau

5. National Park Service Certification

I, hereby, certify that this 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:) _____

Entered in the National Register

Helen Byrne — 11/6/89

Signature of the Keeper — Date of Action

6. Function or Use

Historic Functions (enter categories from instructions)

Transportation: road-related (vehicular)

Current Functions (enter categories from instructions)

Transportation: road-related (vehicular)

7. Description

Architectural Classification (enter categories from instructions)

Other: Pennsylvania through truss

Materials (enter categories from instructions)

foundation (Substructure) Concrete

walls

roof

other (Superstructure) Steel

Describe present and historic physical appearance.

The Third Street Bridge is a steel, single-span, riveted Pennsylvania through truss bridge. It carries Third Street North over the Cannon River. Its overall length is 184.3 feet and its overall width is 17.7 feet. Superstructure: The upper chord consists of paired channels with continuous cover plates riveted on top and lacing underneath. The lower chord is two sets of paired angles sections connected by batten plates. The hip verticals are paired angles; the main verticals are paired laced channels. The verticals in the sub-divided panels consist of two sets of paired angles below the intersection, and lacing between two sets of paired angles above. The diagonals consist of two sets of paired angles; in the sub-divided panels they are two different arrangements of paired angles. The floor consists of asphalt-surfaced concrete slabs on I-beam stringers, which rest on angle lugs riveted to the webs of the plate girder floor beams. Angle-section out-riggers support the sidewalk on the west side. The floor beams are riveted, via angle sections, to the lower ends of the verticals. Portal bracing consists of an angle-section lattice between paired angle sections, with curved knee braces. Sway bracing is similar, without knee braces. Top and bottom lateral bracing is angle sections. The substructure consists of poured concrete abutments with wingwalls. The railing on the west side (sidewalk) is lattice, with decorative cast iron newel posts. A spray-insulated pipe is on the east side, inside the trusswork just above the road level. The movable end--with a rocker foot--is at the north end.

☐ See continuation sheet

8. Statement of Significance

Certifying official has considered the significance of this property in relation to other properties:

☐ nationally ☒ statewide ☐ locally

Applicable National Register Criteria ☐ A ☐ B ☒ C ☐ D

Criteria Considerations (Exceptions) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

Areas of Significance (enter categories from instructions)	Period of Significance	Significant Dates
Engineering	1909	1909

Cultural Affiliation: N/A

Significant Person: N/A

Architect/Builder:
Engineer: Wolff, Louis P.
Builder: Bayne, A. Y. and Co.

State significance of property, and justify criteria, criteria considerations, and areas and periods of significance noted above.

The Third Street Bridge is eligible for the National Register under Criterion C as a representative of a relatively unusual type of truss span--the Pennsylvania--and under Criterion B for its associations with Minneapolis bridge builder A.Y. Bayne and the St. Paul engineering firm of Loweth and Wolff. It was constructed in 1909-1910, near the middle of Bayne's career as an independent bridge builder. The Pennsylvania truss (often called a "petit truss" in turn-of-the-century texts) has the distinctive aspects of sub-divided panels and polygonal upper chord. This type of truss could span a greater distance than the simpler Pratt and Warren trusses. As a bridge with riveted panel intersections, it represents the application of this technology to increasingly longer spans, replacing the previous standard of pin connections. It is being nominated as part of the "Iron and Steel Bridges in Minnesota" Multiple Property Nomination. It has good integrity.

The City Council of Cannon Falls began consideration of a new bridge to replace the combination spans on Third Street by January 1909, when they sought an engineer's estimate for a new structure. Later that month at a special meeting, L. P. Wolff, a civil engineer in St. Paul and a partner in the firm of Loweth & Wolff, presented to the council estimates for steel spans of several lengths. The council decided to consider the estimates while seeking funding help from state and county sources. In June the council accepted a revised estimate from Wolff for a 180-foot span, and in the next month approved his plans and specifications after state engineers made minor changes. In late July the council opened bids from eight companies and selected A.Y. Bayne. W.S. Hewett, formerly a partner of Bayne's and at that time head of the Security Bridge Company, protested the bid of Bayne since its construction bond was not endorsed unconditionally, as he claimed that bid proposal specified. The council went ahead with Bayne and settled on a final price of $9,010. In the previous week, the Goodhue County Commissioners had voted to appropriate $4,000 from county funds to the city for the bridge. Construction continued into the autumn and through the winter, with Bayne requesting delays on the abutments and metal work. The council accepted the bridge as complete, except for minor repairs, on 4 May 1910.

☐ See continuation sheet

9. Major Bibliographical References

"MNDOT Structure Inventory," for Br. L-5391, 1983.

"Commissioners Record, Goodhue County," vol. 8, pp. 40-41.

"Village Record of the Village of Cannon Falls in the County of Goodhue and State of Minnesota," [1896-1912], pp. 398-401, 409, 412, 415-420, 423, 425-426, 434, 439.

Maker's plate.

☐ See continuation sheet

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

Specify repository: _____

10. Geographical Data

Acreage of property: Less than 1 acre

UTM References

	Zone	Easting	Northing
A	15	507630	4928700
B			
C			
D			

☐ See continuation sheet

Verbal Boundary Description

The nominated property consists of a rectangle, 185 feet long and 18 feet wide, whose verticies coincide with the outside corners of the bridge abutments at each end of the bridge, and includes only bridge superstructure and substructure.

☐ See continuation sheet

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.

☐ See continuation sheet

11. Form Prepared By

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