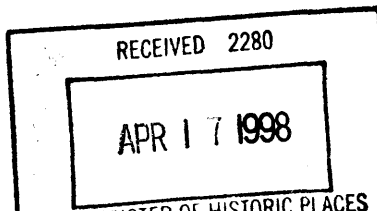


United States Department of the Interior
National Park Service



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 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 Le Grand Bridge

other names/site number _____

2. Location

street & number Abbot Avenue over Iowa River not for publication

city or town 1.8 miles north of Le Grand vicinity

state Iowa code IA county Tama / Marshall code 171/127 zip code 50142

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 D. Kims DSHPO 4-7-98
Signature of certifying official Title 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 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 A. 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 through truss

Materials
(Enter categories from instructions)

foundation Timber pile

walls _____

roof _____

other Steel

Narrative Description

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

Located 1.8 miles north of Le Grand, the Le Grand Bridge spans Iowa River in a rural setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 1	construction date: 1896
span length: 160.0'	construction cost: \$3548.00
total length: 242.0'	current condition: good
roadway wdt.: 14.2'	alterations: none

superstructure: steel, 9-panel, pin-connected Pratt through truss, with steel stringer approach spans
 substructure: timber pile bent abutments and wingwalls; concrete-filled steel cylinder piers
 floor/decking: timber deck over timber stringers
 other features: steel lattice guardrails

Other than maintenance-related repairs, the bridge remains essentially unaltered as it continues to carry vehicular traffic. The Le Grand 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.

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

1896

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

Significant Dates

1896 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Bullder

designer:

Marshalltown Bridge and Iron Works

fabricator:

Marshalltown Bridge and Iron Works

builder:

Marshalltown Bridge and Iron Works

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 519360 4653090
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 242 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** (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 Tama County
 street & number 1002 East Fifth Street telephone 515-484-3341
 city or town Tama state Iowa zip code 52339

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 Le Grand Bridge Tama / Marshall County; Iowa

This long-span bridge carries a gravel-surfaced road over the Iowa River on the line between Tama and Marshall counties. The structure is comprised of a single pinned Pratt through truss, supported by steel cylinder piers and approached by steel stringer spans on both sides. Located just north of the small town of Le Grand, the bridge was built here in 1896. On June 29th of that year the boards of supervisors for the two counties met in a joint session to open bids for the fabrication and erection of the Le Grand Bridge. Proposals were received from seven firms: the George E. King Bridge Company, King Bridge Company of Cleveland, Kansas City Bridge Company, John E. Quackenbush, James B. Marsh, the Clinton Bridge and Iron Works, and the Marshalltown Bridge and Iron Works. With a low bid of \$3548.00, Marshalltown received the contract for the bridge. Using steel components rolled by the Jones and Laughlin mills of Pittsburgh, the Marshalltown, Iowa, firm built the truss later that year. The Le Grand Bridge has functioned in place, unaltered, between the two counties since that time, although U.S. 30 now carries the bulk of the east-west traffic through the region.

From the early 1880s until the establishment of state bridge standards in 1913, the pin-connected Pratt through truss was the overwhelming bridge of choice for medium- and long-span crossings in Iowa. Its standardized fabrication, economy of materials and ease of erection made it a mainstay among the various state and regional bridge companies. Thousands of such trusses were built throughout the state during this period, and numerous examples remain in place today. The Le Grand Bridge is noteworthy among these for its long span and relatively high degree of integrity. Functioning for years as an important link between two counties, it is thus both technologically and historically significant.

United States Department of the Interior
National Park Service

**National Register of Historic Places
Continuation Sheet**

Section Number 9 Page 2 Le Grand Bridge Tama / Marshall County; Iowa

Iowa Department of Transportation, Structure Inventory and Appraisal: Structure No. 318330.

Tama County Supervisors' Minutes, Book E: pages 519-20 (29 June 1896), located at Tama County Courthouse, Toledo IA

Field inspection by Clayton Fraser, 6 June 1990.