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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 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 Cascade Bridge

other names/site number \_\_\_\_\_

2. Location

street & number South Main Street over Cascade Ravine  not for publication

city or town Burlington  vicinity

state Iowa code IA county Des Moines code 057 zip code 52601

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 Churking DSHPO 5-6-98  
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 H. Beall 6-25-98

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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)

Table with columns: Contributing, Noncontributing, buildings, sites, structures, objects, Total. Values: 0, 0, 0, 1, 0, 0, 0, 1, 0.

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: Baltimore deck truss

Materials (Enter categories from instructions)

foundation Stone

walls

roof

other Steel

Narrative Description

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

Located in Burlington, the Cascade Bridge spans Cascade Ravine in a setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 4, span length: 160.0', total length: 464.0', roadway wdt.: unknown, construction date: 1896, construction cost: \$16,000.00 (engineer's estimate), current condition: good, alterations: original deck replaced with steel grid; concrete added to face of stone abutments

superstructure: steel, 6-panel, pin-connected Baltimore deck truss, with Pratt deck truss approaches; substructure: stone abutments with concrete abutments added; concrete pedestals; 1 concrete-filled steel cylinder pier

floor/decking: steel grid deck over steel stringers

other features: upper chord and inclined end post: 2 channels with cover plates and lacing; lower chord: 4 punched eyebars; vertical: 2 channels with lacing or 2 rectangular eyebars; diagonal: 2 punched, rectangular eyebars; lateral bracing: round rod with threaded ends; strut: 2 channels with lacing; floor beam: steel plate girder with sidewalk outriders; guardrail: lattice; bridge plate: 1896 Cascade Bridge 1896 / Designed by Boynton & Warriner / Cedar Rapids, IA / Built by Milwaukee Bridge & Iron Works / Milwaukee WIS. / P.C. Nauman Mayor / S.D. Eaton City Engineer / Aldermen...

Other than maintenance-related repairs and alterations noted above, the bridge remains essentially unaltered as it continues to carry vehicular traffic. The Cascade 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/Builder

designer:

Boynton & Warriner, Cedar Rapids IA

fabricator:

Milwaukee Br.& Iron Wks; Carnegie Stl. Co.

builder:

Milwaukee 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 Data**

**Acreage of Property** less than one acre

**UTM References**

(Place additional UTM references on a continuation sheet)

1 15 660460 4516000  
zone easting northing

2 15 660460 4516150  
zone easting northing

**Verbal Boundary Description**

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel of an unknown width by 464 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 Michelle Crow-Dolby  
 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 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 City of Burlington  
 street & number 400 Washington telephone 319-753-8171  
 city or town Burlington state Iowa zip code 52601

**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 Cascade Bridge Des Moines County; Iowa

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Located in Burlington in southeastern Des Moines County, this four-span deck truss carries South Main Street across the Cascade Ravine. The bridge is comprised of a Baltimore deck truss, with Pratt deck trusses at both the north and south ends. The structure is supported by stone and concrete abutments along with concrete pedestals and a single concrete-filled steel cylinder pier. Known locally as the Cascade Bridge, this impressive truss dates to 1896. In April of this year, the Burlington City Council directed the city engineer to advertise for plans and estimates for a "high bridge on lower Main Street across the Cascade." The bridge was originally not to be more than 400 feet long and not less than 240 feet long and "built in such a manner as to permit vehicles of all kinds to travel in opposite directions on said street car tracks and to have sidewalks on either side of not less than 6 feet in width for foot passengers." A petition was received by the court in support of the proposed bridge's construction from Cascade Lumber Company, who would apparently benefit economically from the new crossing.

Estimated to cost \$16,000.00, the bridge was advertised by the county engineer, S.D. Eaton. After much discussion and debate over the imminent contract award, the city council determined that it would be in their best interest if they would contract with the Milwaukee Bridge and Iron Works for the superstructure and have the city build the concrete substructure. The Milwaukee, Wisconsin, firm contracted with the city for the aggregate sum of \$13,900.00 for the fabrication and erection of the massive trusses. Using steel components rolled by Carnegie Steel Company and fabricating the truss according to design plans drawn up by the Cedar Rapids-based firm of Boynton and Warriner, the bridge was completed in the fall of 1896. The original deck has been replaced with a steel grid deck and concrete has been added to the face of the stone abutments, but the bridge remains otherwise unaltered. Continuing to function in place in its urban setting, the Cascade Bridge retains an unusually high degree of structural and historical integrity. With its pin-connected Baltimore trusses supported dramatically above the ravine, it is one of Iowa's most significant and unusual urban bridges.

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

**National Register of Historic Places  
Continuation Sheet**

Section Number   9   Page   2   **Cascade Bridge** Des Moines County; Iowa

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Iowa Department of Transportation, Structure Inventory and Appraisal: Structure No. 000900.

City of Burlington Council Record 19: pages 317, 319 (20 April 1896), page 320 (27 April 1896), pages 324, 337 (4 May 1896), page 357 (18 May 1896), pages 379-80 (2 June 1896), pages 381-82 (4 June 1896), page 400 (30 June 1896), page 411 (6 July 1896), page 426 (20 July 1896), page 460 (8 September 1896), pages 493, 495 (9 October 1896), page 497 (19 October 1896) - located at the Des Moines County Courthouse, Burlington IA.

Field inspection by Clayton Fraser, 17 August 1991.