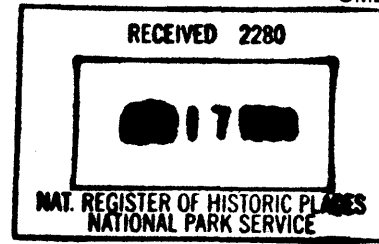


**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Registration Form**



513

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 County Line Bridge

other names/site number _____

2. Location

street & number 140th Block, County Line Road over Long Creek not for publication

city or town 6.5 miles west of Columbus Junction vicinity

state Iowa code IA county Louisa code 115 zip code 52738

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 Christy King DSITPO 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 PILE
 walls _____
 roof _____
 other Steel

Narrative Description

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

Located 6.5 miles west of Columbus Junction, the County Line Bridge spans Long Creek in a rural Louisa County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number:	1	construction date:	1893
span length:	60.0'	construction cost:	\$587.00 (superstructure); \$347.80 (substructure)
total length:	90.0'	current condition:	fair
roadway wdt.:	16.2'	alterations:	none

superstructure: steel, 4-panel, pin-connected Pratt pony truss, with timber stringer approach spans
 substructure: timber pile bent abutments with timber back- and wingwalls; cast iron piers
 floor/decking: timber deck over timber stringers
 other features: upper chord/inclined end post: two channels with cover plate and lacing; lower chord: two punched rectangular eyebars (sloped at outer panels); vertical: four angles with lacing; diagonal: two punched rectangular eyebars; counter: square eyebar with turn-buckle; floor beam: fishtail riveted plate girder, field bolted to vertical; timber guard-rails

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

1893

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

Significant Dates

1893 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

designer:

Gillette-Herzog Manufacturing Company

fabricator:

Gillette-Herzog; Cast Iron Pile & Mfg. Co.

builder:

Gillette-Herzog Manufacturing Company

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 626875 4570820
zone easting northing2 _____
zone easting northing**Verbal Boundary Description**

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel measuring 18 feet by 90 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 Louisa Countystreet & number P.O. Box 246 telephone 319-523-5271city or town Wapello state Iowa zip code 52653

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 9 Page 2 County Line Bridge Louisa County; Iowa

Iowa Department of Transportation, Structure Inventory and Appraisal: Structure No. 224760.

Louisa County Board of Supervisors' Minute Book F, page 263 (3 April 1893), pages 265-66 (6 April 1893), page 278 (1 July 1893), page 295 (14 September 1893), located at the Louisa County Courthouse, Columbus Junction IA.

Field inspection by Clayton Fraser, 16 August 1991.

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

**National Register of Historic Places
Continuation Sheet**

Section Number 8 Page 1 County Line Bridge Louisa County; Iowa

In April 1893 Thomas Anwyl petitioned the Louisa County Board of Supervisors for construction of a permanent bridge over Long Creek on the Louisa-Washington county line. Immediately after it approved Anwyl's request, the board opened bidding for a new iron bridge at this location. A contract to supply the truss superstructure for this crossing - and for a bridge over Buffington Creek (LOUI09) in Elm Grove Township - was awarded to the Gillette-Herzog Manufacturing Company of Minneapolis, Minnesota. (Cost: \$1174.00 for the two spans.) The latter structure was to be placed on traditional stone masonry abutments and piers; the County Line Bridge, on the other hand, was to be supported by patented cast iron columns, manufactured by the Cast Iron Pile and Bridge Company of Keosauqua, Iowa. Using steel components rolled in Pittsburgh by Carnegie, Gillette-Herzog fabricated the medium-span pony trusses and erected them by September 1893. Both spans have since carried county-road traffic in essentially unaltered condition.

With its pin-connected detailing and Pratt design, the pony truss on the County Line Bridge typifies iron bridge construction in Iowa from the early 1890s. What distinguishes this structure from most of its peers is its unusual lower chord configuration, with the end panels sloped downward from the bearing shoes to the center panels. Only a handful of spans employing this Pratt truss variation has been identified by the historic bridge inventory. The bridge is further distinguished by its unique substructure, manufactured by a small-scale Iowa enterprise. Operating briefly in the 1890s, the Cast Iron Pile and Bridge Company evidently supplied bridge components to counties in southern Iowa and northern Missouri. The Keosauqua firm was never a major player, however, and the cast iron piers on the County Line Bridge represent the only known remnant of the firm's bridgework. The County Line Bridge is thus technologically significant as a well-preserved, early example of wagon bridge construction in Iowa, an uncommon Pratt variant and as the last resource remaining from this in-state bridge builder.