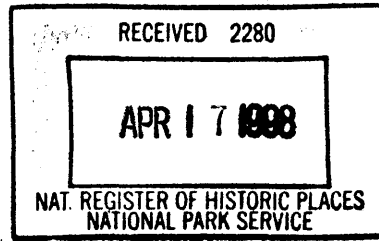


**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Registration Form**



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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 Calamus Creek Bridge

other names/site number _____

2. Location

street & number 325th Street over Calamus Creek not for publication

city or town 1.0 mile southeast of Maxwell vicinity

state Iowa code IA county Story code 169 zip code 50161

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 Oster King 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 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: concrete Luten arch

Materials
(Enter categories from instructions)

foundation Concrete

walls _____

roof _____

other Concrete

Narrative Description

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

Located 1.0 mile southeast of Maxwell, the bridge spans Calamus Creek in a rural Story County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 1	construction date: 1905
span length: 25.0'	construction cost: \$900.00
total length: 45.0'	current condition: poor
roadway wdt.: 16.6'	alterations: moderate collision damage to guardrails

superstructure: concrete Luten arch
 substructure: concrete abutments and wingwalls
 floor/decking: earth fill over concrete
 other features: concrete guardrails with incised rectangular panels; Bridge Plate: 1905 Built By N.M. Stark and Co., Des Moines, Iowa. For Miles Pearson.

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

1905

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

Significant Dates

1905 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

designer:

N.M. Stark and Company, Des Moines IA

fabricator:

none

builder:

N.M. Stark and Company, Des Moines IA

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 468340 4636810
zone easting northing2 _____
zone easting northing**Verbal Boundary Description**

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel measuring 19 feet by 45 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 Story County
 street & number 900 Sixth Street telephone 515-382-6581
 city or town Nevada state Iowa zip code 50201

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 Calamus Creek Bridge Story County; Iowa

Before 1902 the Story County supervisors contracted primarily for wooden wagon bridges, occasionally purchasing iron or combination trusses for the major crossings. In April 1902 the county first hired Des Moines bridge contractor N.M. Stark and Company to build an 80-foot truss. This represented the beginning of a 10-year relationship between county and contractor, in which Stark built virtually all of Story County's bridges. In 1905 Stark began building concrete arch bridges, based upon the patent of Indianapolis engineer Daniel Luten. One of these first concrete structures was this small-scale arch over an unnamed stream a mile southeast of Maxwell. Featuring Luten's distinctive elliptical profile and Stark's trademark concrete parapets, the bridge was to typify Stark's design and construction over the next eight years.

Before the codification of bridge design in the state in 1913, Stark built perhaps hundreds of Luten arches throughout Iowa, in exclusive contracts with Story and other counties. This structure in Story County is distinguished as the earliest remaining Luten arch in the state. In fact, with its 1905 construction date, it is one of the oldest Luten arches in the country, built in the same year as Daniel Luten received his patent. For this reason, it is a technologically significant, transportation-related resource. The bridge still carries traffic today at this rural Indian Creek Township crossing, although, with moderate collision damage to the guardrails and concrete cracking and spalling of the spandrels, it is in relatively poor condition.

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

**National Register of Historic Places
Continuation Sheet**

Section Number 9 Page 2 Calamus Creek Bridge Story County; Iowa

Iowa Department of Transportation, Structure Inventory and Appraisal: Structure No. 313850.

Story County Supervisors' Minutes, Book E: page 336 (7 April 1905), located at the Story County Courthouse, Nevada IA.

Field inspection by Clayton Fraser, 7 December 1990.