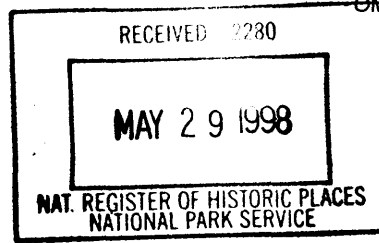


**United States Department of the Interior  
National Park Service**

**National Register of Historic Places  
Registration Form**



806

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 Monona Township Culvert

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

**2. Location**

street & number \_\_\_\_\_ county road over unnamed stream  not for publication

city or town 1.4 miles southwest of Luana  vicinity

state Iowa code IA county Clayton code 043 zip code 52156

**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 Osterking DSITPO 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): \_\_\_\_\_

Ethan H. Beall 6-25-98

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

5. Classification

Ownership of Property
(Enter as many boxes as apply)

- private
public-local
public-State
public-Federal

Category of Property
(Enter 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 2 columns: Contributing, Noncontributing and 4 rows: buildings, sites, structures, objects, 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: stone arch culvert

Materials
(Enter categories from instructions)

foundation Stone

walls

roof

other Stone

Narrative Description

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

Located 1.4 miles southwest of Luana, the Monona Township Culvert spans an unnamed stream in a rural Clayton County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 1 construction date: 1899
span length: 14.0' construction cost: unknown
total length: 14.0' current condition: good
roadway wdt.: 15.2' alterations: none

superstructure: stone arch culvert, skewed
substructure: stone abutments and wingwalls
floor/decking: earth fill
other features: low stone parapet walls

Other than maintenance-related repairs, this small-scale culvert remains essentially unaltered as it continues to carry vehicular traffic. The Monona Township Culvert 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

1899

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

Significant Dates

1899 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

designer: unknown

fabricator: none

builder: Frank Boyle

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 624100 4766620  
zone easting northing

2 \_\_\_\_\_  
zone easting northing

**Verbal Boundary Description**

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel measuring 17 feet by 14 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 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 Clayton County  
 street & number P.O. Box 456 telephone 319-245-1782  
 city or town Elkader state Iowa zip code 52043

**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 Monona Township Culvert Clayton County; Iowa

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At the turn of the century, Clayton County contracted with a variety of firms and individuals to bridge the county's myriad streams and ditches. For longer-span crossings (often across the Turkey River) the county opted for iron or steel trusses, whereas at shorter crossings, rudimentary timber stringer structures were often erected. For some crossings, though, the county took advantage of the area's limestone quarries and erected arch bridges built of stone. Constructed by local stone masons, these crossings have greater longevity than either their timber or steel stringer counterparts. The most notable of Clayton County's stone arches is Byrne and Blake's 189-foot Keystone Bridge, built over the Turkey River at Elkader in 1888-1889. The long-span Keystone Bridge was the exception, however, as stone arches were usually limited to smaller crossings. A 20-foot example of stone arch construction is this culvert, built on a skew, located 1½ miles southwest of Luana, in Monona Township. The bridge was built in 1899 by Frank Boyle, who likely obtained the stone from either the Motor Quarry near Motor Mill, or Coles Quarry near Elkader. (Frank Boyle was probably related to A.C. Boyle of McGregor, Iowa, who built a number of similar stone bridges around the county.) The arch's cost was not recorded, but probably cost under \$1000.00. (Based on known costs of other such stone arches of the period.) Today, this bridge is one of seven stone arches which carry traffic on Clayton County's roadways. As a group, they exhibit an exceptionally high degree of craftsmanship and historical integrity.

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

**National Register of Historic Places  
Continuation Sheet**

Section Number   9   Page   2   Monona Township Culvert Clayton County; Iowa

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Clayton County Bridge Record, Book 1: n.p. (3 November 1899), Monona Township, Bridge #12 - located at the Clayton County Courthouse, Elkader IA

Field inspection by Clayton Fraser, 14 August 1991.