



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 Sumner Bridge

other names/site number _____

2. Location

street & number 160th Street over Little Wapsipinicon River not for publication

city or town northeastern edge of Sumner vicinity

state Iowa code IA county Fayette / Bremer code 065/017 zip code 50674

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 Chinkens DSRPO 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)

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 deck girder

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 on the northeastern edge of Sumner, the Sumner Bridge spans the Little Wapsipinicon River in a rural Fayette County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 3 construction date: 1916-17
 span length: 43.0' construction cost: \$7058.00
 total length: 125.0' current condition: good
 roadway wdt.: 18.0' alterations: none

superstructure: concrete deck girder
 substructure: concrete abutments, wingwalls and piers
 floor/decking: concrete deck
 other features: concrete guardrails with molded concrete balusters; bridge plate: Fayette County Board of Supervisors / G. Gunderson Chr'm'n / P. Mieke / M. Fels / C.F. Chambers C. Auditor / G. Blunt Co. Engineer / Fred Boedeker Contractor

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

1916-17

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

Significant Dates

1916-17 (construction date)

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

designer:

Iowa State Highway Commission

fabricator:

none

builder:

Fred Boedeker

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 590440 4769800
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 20 feet by 125 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 Fayette County / Bremer County

street & number P.O. Box 269 / 415 East Bremer Ave. telephone 319-422-6061 / 319-352-5040

city or town West Union / Waverly state Iowa zip code 52175/50677

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 Sumner Bridge Fayette/Bremer County; Iowa

Located on the periphery of the small town of Sumner, this concrete bridge spans the Little Wapsipinicon River. The structure is comprised of three concrete deck girder spans, supported by concrete abutments and piers with bullnosed cutwaters. Modest architectural expression is provided by the molded concrete balusters and slightly recessed rectangular panels on the spandrel girders. The Sumner Bridge dates to 1916. That June the Fayette County supervisors agreed with the supervisors of Bremer County to build this bridge on the line between the two counties. Under the agreement, each county would pay half of the cost, and Bremer County would be responsible for securing the design and contracting with the builder. On July 14th Bremer County awarded a construction contract to Fred Boedeker for \$7058.00. He began work on the substructural excavation soon thereafter, completing the bridge the following year. Since that time, the Sumner Bridge has carried vehicular traffic at this inter-county crossing, in unaltered condition.

Around 1910 the deck girder design began to find favor among Iowa county engineers for medium-span concrete bridges. One of the first standards developed by the state highway commission in 1913 was its so-called H Series, which delineated concrete deck girder bridges with 24- to 40-foot spans. As described in the highway commission's annual report for that year, the deck girder consisted of "a thin transverse flooring [that] transmits the stress to deep and narrow supporting girders, which in turn transfer the load to the abutments by simple beam action." From the initial 1913 design, the H Series standard was periodically modified, as the next several years proved to be the heyday of the concrete deck girder. From the hundreds built throughout the state, approximately 140 concrete deck girder bridges remain in use. Of these, about 100 of these structures are single-span examples, and about two dozen are made up of two spans. Only eleven multiple-span examples have been identified. The Sumner Bridge is thus distinguished among Iowa's early concrete bridges as a multiple-span example of this mainstay structural type.

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

**National Register of Historic Places
Continuation Sheet**

Section Number 9 Page 2 Sumner Bridge Fayette/Bremer County; Iowa

Iowa Department of Transportation, Structure Inventory and Appraisal: Structure Number 151740.

Fayette County Engineer's Annual Report: 1916, located at the Fayette County Engineer's Office, West Union IA.

Fayette County Supervisors' Minutes, Book 9: page 16 (9 June 1916), located at the Fayette County Courthouse, West Union IA.

Report of the State Highway Commission, 1916, page 76.