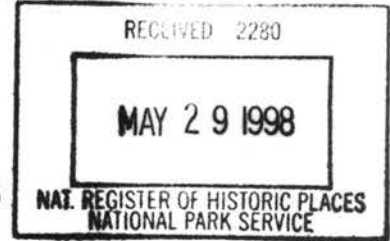


United States Department of the Interior  
National Park Service

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# 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 any 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 Bridge No. 5388  
other names/site number N/A

### 2. Location

street & number Mn. Hwy. 24 over North Fork Crow River  
not for publication N/A  
city or town Forest City Twp. Kingston vicinity X  
state Minnesota code MN county Meeker code 093  
zip code 55326

### 3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this x 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 x locally. ( See continuation sheet for additional comments.)

Ian R. Stewart Signature of certifying official Date 5/12/98  
Ian R. Stewart, Deputy State Historic Preservation Officer  
State or Federal agency and bureau Minnesota Historical Society

In my opinion, the property      meets      does not meet the National Register criteria. (      See continuation sheet for additional comments.)

\_\_\_\_\_  
Signature of commenting or other official Date

\_\_\_\_\_  
State or Federal agency and bureau

**4. National Park Service Certification**

I, hereby certify that this 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. Ball 6/26/98*

*ball*

Signature of Keeper Date  
of Action

**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

Contributing	Noncontributing
<u>0</u>	<u>0</u> buildings
<u>0</u>	<u>0</u> sites
<u>1</u>	<u>0</u> structures
<u>0</u>	<u>0</u> objects
<u>1</u>	<u>0</u> Total

Number of contributing resources previously listed in the National Register N/A

Name of related multiple property listing (Enter "N/A" if property is not part of a multiple property listing.)

Historic Iron and Steel Bridges in Minnesota

---

**6. Function or Use**

---

Historic Functions (Enter categories from instructions)

Cat: TRANSPORTATION Sub: road-related (vehicular)

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Current Functions (Enter categories from instructions)

Cat: TRANSPORTATION Sub: road-related (vehicular)

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

---

**7. Description**

---

Architectural Classification (Enter categories from instructions)

OTHER: Warren polygonal pony truss with  
verticals

Materials (Enter categories from instructions)

foundation (Substructure) CONCRETE

roof \_\_\_\_\_

walls \_\_\_\_\_

other (Superstructure) METAL: Steel

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

United States Department of the Interior  
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET**

Section 7 Page 1 Bridge No. 5388  
name of property  
Meeker County, Minnesota  
county and state

---

**Description**

Located about three miles west of Kingston in section 13 of Forest City Township in rural northeast Meeker County, Bridge No. 5388 carries Minnesota Trunk Highway 24 across the North Fork of the Crow River. Aligned on an east-west axis, the 100-foot span is a steel, five-panel, rigid-connected, Warren pony truss with verticals and polygonal top chords. The superstructure rests on concrete abutments with rocker-type expansion bearings on the west side. The two truss webs are identically detailed. Two channel sections with X-lacing form the top chord, while four angle sections with battens comprise the bottom chord. The diagonal members consist of four angle sections with either V-lacing or battens. The primary vertical members are four angle sections with V-lacing, and the secondary vertical members are two angle sections with battens. The primary verticals are sway braced by paired angle sections in an outrigger configuration. Bottom lateral bracing consists of crossed angle sections. The flooring system supports a concrete deck on 13 I-beam stringers riveted to the webs of I-beam floor beams. The roadway is 26 feet in width. Bridge No. 5388 has experienced no major alterations to the truss webs. The structure has excellent historical integrity.

---

**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.)

- A owned by a religious institution or used for religious purposes.
- B removed from its original location.
- C a birthplace or a 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.

Areas of Significance (Enter categories from instructions)

ENGINEERING  
\_\_\_\_\_  
\_\_\_\_\_

Period of Significance 1935  
\_\_\_\_\_

Significant Dates 1935

Significant Person (Complete if Criterion B is marked above)

Cultural Affiliation

Architect/Builder Contractor/Builder: Teberg and Berg

Designer: Minnesota Highway Department

Narrative Statement of Significance (Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

(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: Minnesota Department of Transportation

10. Geographical Data

Acreage of Property less than one acre

UTM References (Place additional UTM references on a continuation sheet)

	Zone	Easting	Northing	Zone	Easting	Northing
1	15	390990	5006290	3	_____	_____
2	_____	_____	_____	4	_____	_____

See continuation sheet.

Forest City, Minn., 1982

Verbal Boundary Description (Describe the boundaries of the property on a continuation sheet.)

Boundary Justification (Explain why the boundaries were selected on a continuation sheet.)

---

**11. Form Prepared By**

---

name/title Jeffrey A. Hess, Historian  
organization Hess, Roise and Company  
street & number The Foster House, 100 North First Street  
city or town Minneapolis state MN zip code 55401  
telephone (612) 338-1987  
date September 1997

---

**Additional Documentation**

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Submit the following items with the completed form:

Continuation Sheets

Maps

A USGS map (7.5 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 the SHPO or FPO.)

name \_\_\_\_\_  
street & number \_\_\_\_\_  
telephone \_\_\_\_\_  
city or town \_\_\_\_\_ state \_\_\_\_\_ zip code \_\_\_\_\_

---

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 the 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 Project (1024-0018), Washington, DC 20503.



United States Department of the Interior  
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET**

Section   8   Page   1     Bridge No. 5388    
name of property  
  Meeker County, Minnesota    
county and state

---

**Summary of Significance**

In its biennial report for 1935-1936, the Minnesota Highway Department noted that most of its bridge work during the previous two years had focussed on building new highway/railroad grade separations or on making "emergency replacements" of substandard structures on state trunk highway routes that had been added to the state system by the Minnesota legislature in 1933. Yet the department also found time and funding for a few other projects, such as the improvement of Trunk Highway (TH) 24 in Meeker County. Established in 1921 as part of the state's original trunk highway system, TH 24 connected the city of Litchfield on the south to the city of St. Cloud on the northwest, a distance of about 40 miles. When the state legislature expanded the trunk highway system in the 1930s, the state highway department reorganized the numbering system and retained the TH 24 designation for only the south half of the original route, stretching from Litchfield to Kimball. This portion received approximately \$100,000 worth of improvements in 1935-1936, mostly in the form of grading and graveling. However, about one-quarter of the amount went to the construction of a new highway crossing, to be designated as Bridge No. 5388, over the North Fork of the Crow River, about eight miles northwest of Litchfield. The state highway department completed plans for Bridge No. 5388 in November 1934, and a month later awarded a low-bid construction contract for the project, in the amount of \$22,240, to Teberg and Berg of St. Paul. The contractor completed the bridge without incident in 1935.

Bridge No. 5388 marks the final stage in the state highway department's work with the Warren pony-truss form. When the agency issued its first bridge specifications in 1912, it stipulated the use of the rigid-connected, Warren-truss configuration for future pony-truss construction, and it set the maximum span length for the type at 80 feet. These provisions were reiterated when the agency re-issued its specifications in 1918, 1921, and 1925. In 1930, the state highway department



United States Department of the Interior  
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET**

Section   8   Page   2     Bridge No. 5388    
name of property  
  Meeker County, Minnesota    
county and state

---

announced that "our bridges are now being designed in substantial accordance with the approved specifications of the American Association of State Highway Officials [ASSHO] which safely provides for the legal loadings specified in our own state laws." AASHO's specifications, as codified in 1928, set the maximum span length for low riveted trusses at 100 feet. To use the rigid-connected Warren pony truss in the 80- to 100-foot range, the Minnesota Highway Department revised its standard plan for the type by replacing the conventional, horizontal top chord of the truss web with a polygonal top chord. The "curved top chord," as it was sometimes called, was more economical for longer spans because it varied the depth of the web to suit the stresses produced by the load, thereby reducing the amount of steel necessary for construction. During the 1930s, the highway department designed several of the new Warren pony trusses, but only Bridge No. 5388 achieved the outer span limit of 100 feet. The crossing was the longest pony-truss span ever built under the state's supervision. When the highway department issued revised plans and specifications in the mid-1940s, it dropped the Warren pony truss as an "obsolete" type, which could be economically replaced by long-span, deep-section, I-beam bridges.

Bridge No. 5388 is eligible for the National Register for its design in the area of engineering under Criterion C, within the historic context of "Historic Iron and Steel Bridges in Minnesota, 1873-1945." The Multiple Property Documentation Form associated with this context states that properties may be eligible under Criterion C if "they embody distinctive characteristics of bridge engineering and construction or significant phases in the evolution of bridge engineering and construction." Representing the final evolution of the Minnesota Highway Department's standard plan for the Warren pony-truss type, Bridge No. 5388 satisfies this criterion.

United States Department of the Interior  
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET**

Section   9   Page   1     Bridge No. 5388    
name of property  
  Meeker County, Minnesota    
county and state

---

**Bibliography**

*Published Sources*

American Association of State Highway Officials. *Standard Specifications for Highway Bridges and Incidental Structures*. N.p., 1928. Mimeographed copy in Walter Library, University of Minnesota, Minneapolis.

*Improvement Bulletin* 79 (21 December 1934): 20.

Miller, E.J. "Standard Bridge and Culvert Plans." *Better Roads* (June 1947): 24.

Minnesota Highway Commission. *Standard Specifications for Steel and Concrete Highway Bridges, 1912*. Minneapolis: The Thos. A. Clark Company, 1912.

Minnesota Highway Department. *Biennial Report, 1929-1930*. N.p., 1931.

\_\_\_\_\_. *Biennial Report, 1935-1936*. N.P., 1937.

\_\_\_\_\_. *General Provisions and Bridge and Culvert Specifications 1918*. N.p., [1918].

\_\_\_\_\_. "Minnesota Trunk Highways Improvement Progress Map, February 1925." *Report, 1923-1924*. N.p., 1925.

\_\_\_\_\_. *Trunk Highway Standard Specifications, 1921*,. N.p., [1921].

\_\_\_\_\_. *Trunk Highway Standard Specifications, 1925*. N.p., [1925].



United States Department of the Interior  
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET**

Section 10 Page 1 Bridge No. 5388  
name of property  
Mo-Meeker County, Minnesota  
county and state

**Verbal Boundary Description**

The general area of the nominated property is a rectangle 27.8 feet wide and 100 feet long, whose long center axis parallels the centerline of the bridge.

**Boundary Justification**

Based on measurements provided by the Minnesota Department of Transportation, the boundaries enclose the entire historic resource.



Bridge no. 5388

Mn Highway 24 over north Fork Crow River, Forest City Township  
Meeker Co., Mn

013059-6

013059-6

Bridge No. 5388

Mn Highway 24 Over North Fork Crow River, Forest City Township

Meeker Co., Mn

Photographer: Jeffrey A. Hess

Sept., 1996

Mn Historical Society, 345 Kellogg Blvd. W., St. Paul, Mn 55102-1906

Looking NW

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(Title 17 U.S. Code)





Bridge no. 5388  
Mn Highway 24 over North Fork Crow River, Forest City Township  
Meeker Co., Mn  
013059-4

Bridge No. 5388

013059-4

Mn Highway 24 over North Fork Crow River, Forest City Township  
Mee Kev Co., Mn

Photographer: Jeffrey A. Hess

Sept., 1996

Mn Historical Society, 345 Kellogg Blvd. W., St. Paul, Mn 55102-1906

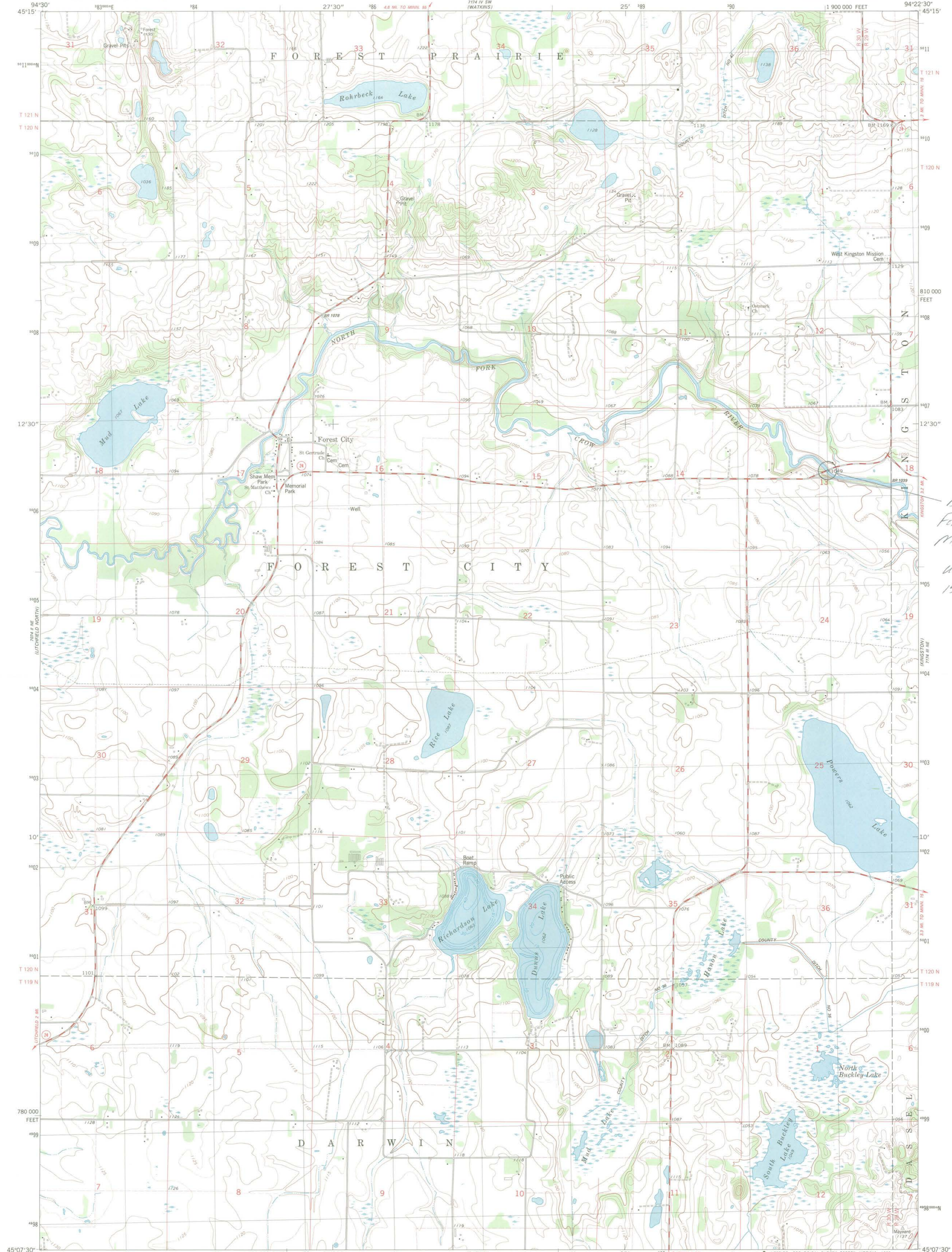
Looking W

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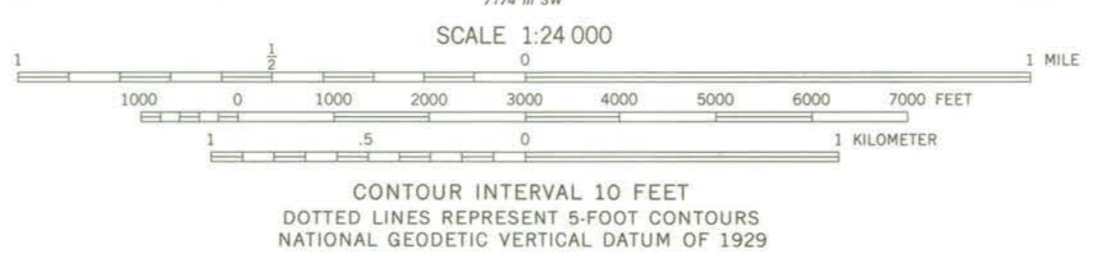
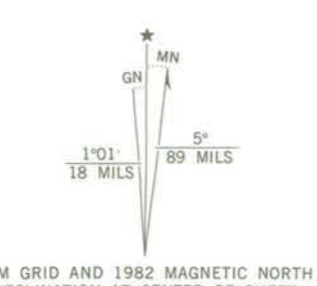
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BRIDGE No. 5388,  
FOREST CITY TWP,  
MEEKER CO., MN  
UTM REFERENCE:  
15: 390990.5006290

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs taken 1975. Field checked 1977. Map edited 1982  
Hydrography compiled from information furnished by Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks: Minnesota coordinate system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 15 1927 North American Datum  
To place on the predicted North American Datum 1983 move the projection lines 7 meters north and 20 meters east as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs  
This information is unchecked



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

FOREST CITY, MINN.  
NW/4 DASSEL 15' QUADRANGLE  
N4507.5-W9422.5/7.5  
1982  
DMA 7174 III NW-SERIES V872

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

B124



# National Register of Historic Places

## Note to the record

Additional Documentation: 2016

United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number 1 Page 1

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

**Name of Property**

Historic name Bridge No. 5388

Other names/site number Bridge No. R0529

*Iron and Steel Bridges in Minnesota, 1873-1945*

When Bridge 5388 was moved to its new location, spanning the Little Iowa River, it was renumbered by the Minnesota Department of Transportation to Bridge No. R0529. The previous bridge number, 5388, was subsequently retired.

United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number   2   Page   1  

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota, 1873-1945</i>
Name of multiple listing (if applicable)

**Location**

street & number 130<sup>th</sup> Street over the Little Iowa River

N/A
x

not for publication  
Vicinity of Le Roy

city or town Le Roy Township

state Minnesota code MN county Mower code 099 zip code N/A



United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 5 Page 1

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

### 5. Classification

#### Ownership of Property

(Check as many boxes as apply)

Private

Public - Local

Public - State

Public - Federal

When originally listed to the National Register in 1998, the property was owned by the Minnesota Department of Transportation (MnDOT). The bridge was located on Trunk Highway 24 over the North Fork of the Crow River in Meeker County and found to be unsuitable to carry highway loads. As part of the mitigation for the replacement of this bridge, MnDOT sought a public agency to take ownership of the crossing and relocated Bridge No. 5388 (Bridge No. R0529). The bridge was moved to Lake Louise State Park in Mower County and rehabbed in the new location.

United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 7 Page 1

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

### Purpose of Amendment

Bridge No. 5388 (Bridge No. R0529) was added to the National Register of Historic Places (NRHP) in 1998 for its design in the area of engineering under *Criterion C*, within the historic context of "Historic Iron and Steel Bridges in Minnesota, 1873-1945." The Multiple Property Documentation Form (MPDF) associated with this context states that properties may be eligible under *Criterion C* if "they embody distinctive characteristics of bridge engineering and construction or significant phases in the evolution of bridge engineering and construction." Representing the final evolution of the Minnesota Highway Department's standard plan for the Warren pony-truss type, Bridge No. 5388 (Bridge No. R0529) satisfies this criterion.

The purpose of this amendment to the registration form for the 1998 NRHP listing for Bridge No. 5388 (Bridge no. R0529) is to document 1) the move of the property to a new site in February 2012 and 2) its continued eligibility for the NRHP in its new location, pursuant to 36 CFR 60.14(b)(5).

### Reasons for the Move

In 2006, the Minnesota Department of Transportation (Mn/DOT) completed a Historic Bridge Management Plan (Plan) for Bridge No. 5388.<sup>1</sup> The Plan for Bridge No. 5388 was one of 24 such plans completed for selected state-owned bridges in a bridge preservation program developed by Mn/DOT in cooperation with the Minnesota State Historic Preservation Office (SHPO) and the Federal Highway Administration (FHWA). Each Plan evaluated its subject bridge from historical and engineering perspectives and determined an appropriate program for preservation, considering each bridge's significance and character-defining features, based on the National Register of Historic Places statements of significance.

While Bridge No. 5388 was found to have "excellent historical integrity," the Plan also reported that it had "marginal load capacity, narrow shoulders, and substandard railings" for its existing traffic duty. The bridge's deck system was found to be in poor condition and lateral earth pressure had caused rotation of the west concrete abutment. Because of these deficiencies, the Plan recommended "that the bridge be removed from the trunk highway system and relocated for less demanding use. The truss should be rehabilitated based on the *Secretary of the Interior's Standards for Rehabilitation* (Standards) [36 CFR Part 67] and *Guidelines for Bridge Maintenance and Rehabilitation Based on the Secretary of the Interior's Standards* (Guidelines), with the historic significance of the truss maintained at the new location." Although the four concrete corner posts anchoring the bridge's guard rails were found to be historically significant, the concrete abutments and bridge deck did not meet the significance threshold and were not required to be salvaged as part of the relocation process.

<sup>1</sup> Minnesota Department of Transportation, Historic Bridge Management Plan, Bridge Number 5388, prepared by Mead & Hunt, Inc., and HNTB Corp., June 2006. Copy available at Cultural Resource Unit, Minnesota Department of Transportation, St. Paul, Minnesota.

United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 7 Page 2

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

Between 2008 and 2012, MnDOT collaborated with the Minnesota Department of Natural Resources (DNR) to relocate Bridge No. 5388 from Meeker County to a new site in Mower County, where it would replace a structurally deficient truss bridge and carry vehicle, pedestrian, bicycle, and equestrian traffic on 130<sup>th</sup> Street over the Little Iowa River within the DNR's Lake Louise State Park.

### Procedures for the Move

On June 9, 2009, the truss superstructure was disassembled at its site in Meeker County, where it had carried two lanes of Trunk Highway 24 over the North Fork of the Crow River since its erection in 1935. The trusses were transported to a storage yard where they could be evaluated for structural soundness and reassembly at the new location in compliance with the Secretary's Standards (as required by the Plan). During inspection, the bridge's lower chord members were found to be too damaged by pack rust to be salvaged. In September 2011, the trusses were transported to a Minnesota metalworking facility for rehabilitation. Each truss was split in two by removing selected rivets along its lateral midline at the upper and lower chord gussets. All rusted lower chord members were replaced by refabricated steel in the same dimensions as the historical members. The trusses were then sandblasted, undercoated, and repainted.

During structural evaluation in 2009-2010, the individual members and components of Bridge No. 5388 were inspected to determine structural soundness for reassembly at the new location. Parts that were feasible to be preserved and reused were cleaned, refurbished, and transported to the Lake Louise State Park site for reassembly. Efforts were made to preserve and reuse as many original steel components as possible. Steel components judged too deteriorated to be reused were refabricated. Historic components replaced include the following:

1. Floor stringers, I-section, steel, 1935 (13)
2. Floor beams, I-section, steel, 1935 (6)
3. Bottom chords (four angle sections with battens), steel, 1935 (40)
4. Bearings, steel, 1935 (4)

Button-head rivets removed during re-assembly were replaced with high-strength button-head bolts. All the button-head bolts were installed with the goal of minimizing the visibility of the modern hex nut.

To comply with current codes and standards for continued in-service use, selected components were replaced by modern functionally equivalent components, including roller bearings being replaced by elastomeric bearings.

Additional protective railing height required by the DNR for equestrian and bicycle use was achieved by adding six horizontal rows of stainless steel cables above the historic door-spreader rails, one cable between the rails, and one cable between the lower rail and the concrete curb. The upper six cables extend and are anchored to a steel

United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number 7 Page 3

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

post that protrudes from each refabricated concrete corner post. The lower two cables are anchored to a steel flange attached to each concrete corner post. Although the upper six cable anchors were attached to the bridge's upper chords by drilling through the historic steel, the cables were determined to have minimal visual impact on the historic appearance of the truss.

The bridge was repainted in the color combination used in the 1935 erection in Meeker County. The upper chord was painted gray and all other members painted black.

On February 7, 2012 the rehabilitated and reassembled truss was installed onto new reinforced-concrete abutments at the Lake Louise State Park site over the Little Iowa River.

Effect on Property's Historic Integrity

Pursuant to the MOA, MnDOT and MnDNR identified a new site within Lake Louise State Park in Mower County that would not detract from the character-defining features of the property, the Warren pony-truss form.

All procedures related to the move of Bridge No. 5388 (Bridge No. R0529) were performed in accordance with the *Secretary of the Interior's Standards for Historic Buildings*.

United States Department of the Interior  
National Park Service

**National Register of Historic Places**  
**Continuation Sheet**

Section number 8 Page 1

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

---

**Criteria Consideration B**

---

How the Property Meets the Special Requirements for Criteria Consideration B

Bridge No. 5388 (Bridge No. R0529) retains integrity of design, materials, and workmanship and conveys its engineering significance under *Criterion C*, applying *Criteria Consideration B: Moved Properties*. Although the setting for the bridge has changed, its current setting is similar and since truss bridges were designed to be moved, relocation does not result in a loss of integrity under *Criteria Consideration B*.

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

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota, 1873-1945</i>
Name of multiple listing (if applicable)

**National Register of Historic Places**  
**Continuation Sheet**

Section number 10 Page 1

**Geographical Data**

**Acreage of Property** 0.05

Use either the UTM system or latitude/longitude coordinates

**Latitude/Longitude Coordinates**

Datum if other than WGS84: n/a

(enter coordinates to 6 decimal places)

- |              |            |
|--------------|------------|
| 1. Latitude: | Longitude: |
| 2. Latitude: | Longitude: |
| 3. Latitude: | Longitude: |
| 4. Latitude: | Longitude: |

**Or**

**UTM References**

Datum (indicated on USGS map):

NAD 1927 or  NAD 1983

1. Zone: 15N Easting: 538889.85 Northing: 4820043.08

**Verbal Boundary Description**

The property is a parallelogram that measures 100.0 feet long by 20.0 feet wide, whose corners encompass the edges of the bridge's wingwalls and with a perimeter that encompasses the entire bridge. See Additional Documentation, page 1.

**Boundary Justification**

The boundary encompasses the total bridge superstructure, total substructure, and all other integral wingwalls and approach elements.



United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number 11 Page 1

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota,  
1873-1945*

Name of multiple listing (if applicable)

Updated documentation prepared by:

Daniel Pratt

ARCH<sup>3</sup>, LLC

1412 Pascal St N

Saint Paul, Minnesota 55108-2437

November 2015

651.308.8749 cell

[arch3llc@gmail.com](mailto:arch3llc@gmail.com)

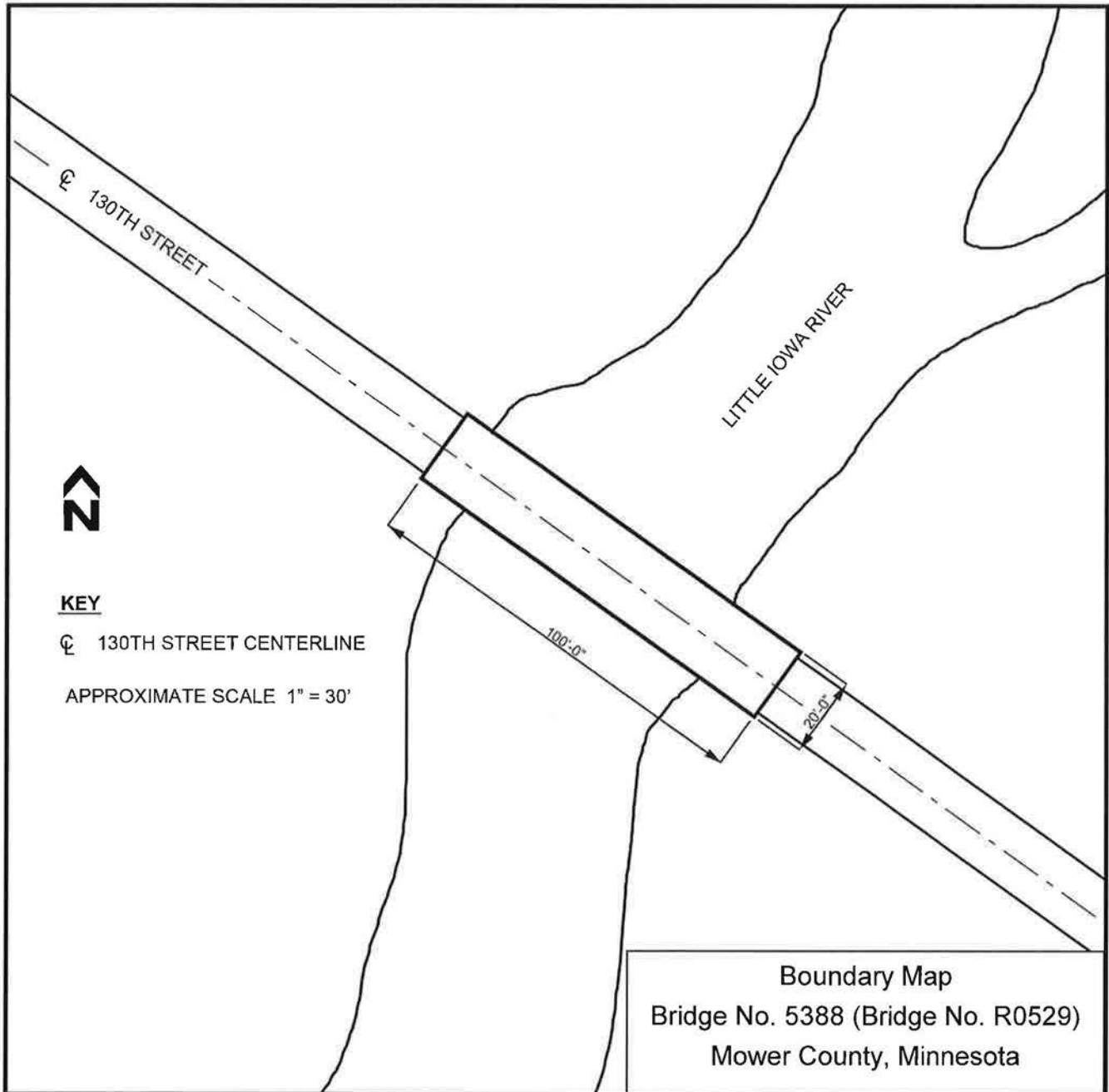
[www.arch3llc.com](http://www.arch3llc.com)

United States Department of the Interior  
National Park Service

National Register of Historic Places  
Continuation Sheet

Section number Additional Documentation Page 1

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota, 1873-1945</i>
Name of multiple listing (if applicable)

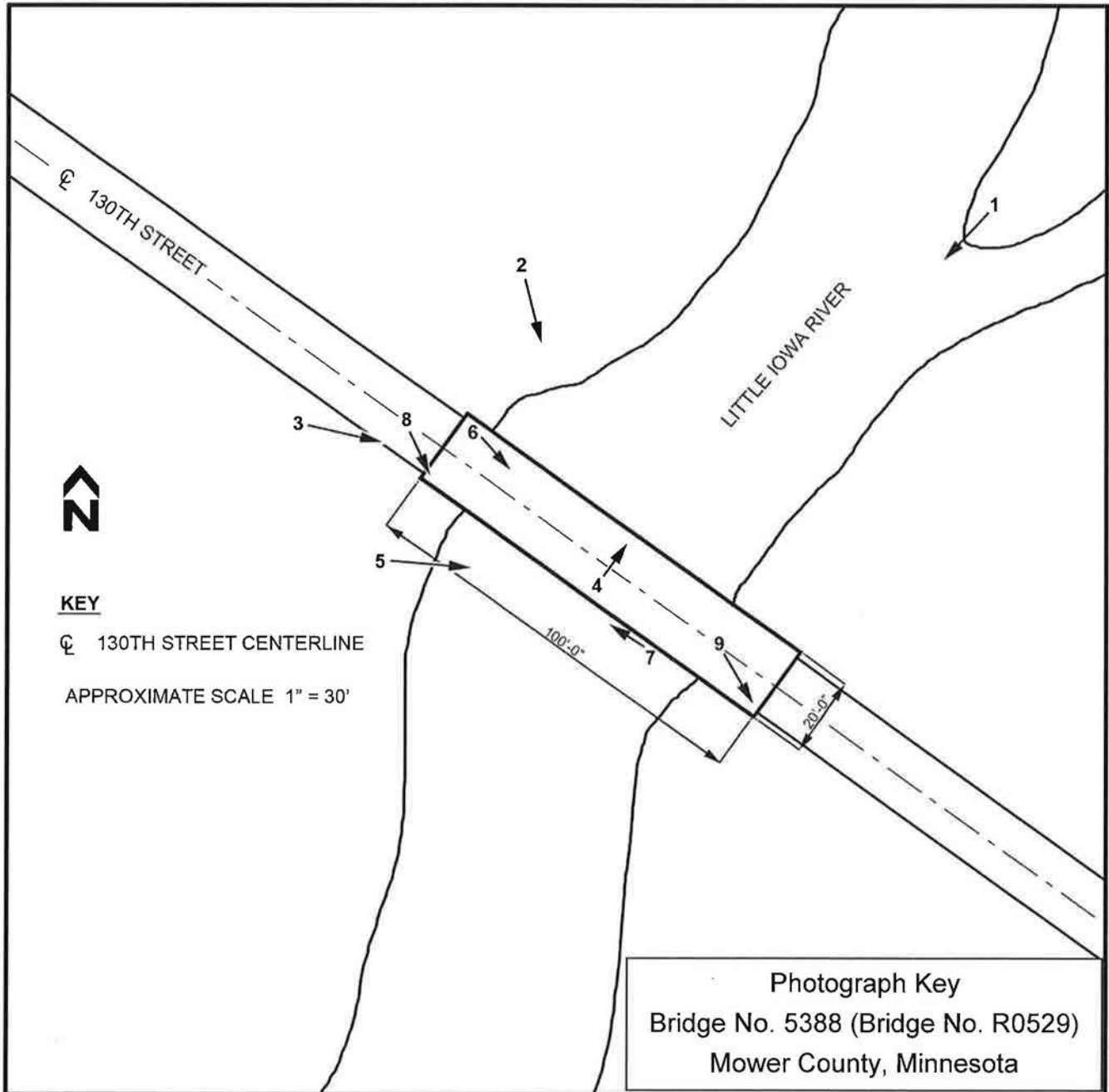


United States Department of the Interior  
National Park Service

### National Register of Historic Places Continuation Sheet

Section number Additional Documentation Page 2

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota</i>
Name of multiple listing (if applicable)



United States Department of the Interior  
National Park Service

**National Register of Historic Places**  
**Continuation Sheet**

Section number PhotographsPage 1

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota*

Name of multiple listing (if applicable)

Name of Property:	Bridge No. R0529
City or Vicinity:	Le Roy Township
County:	Mower County
State:	MN
Photographer:	Daniel R. Pratt
Date Photographed:	December, 10, 2013
Location of Original Digital Files:	Minnesota Department of Transportation, Cultural Resources Unit
Number of Photographs:	9

Photo #1: General view in new setting over Little Iowa River, looking south.



United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number Photographs Page 2

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota</i>
Name of multiple listing (if applicable)

Photo #2: General view north elevation, looking southeast.



Photo #3: Oblique view of north truss, looking east.



United States Department of the Interior  
National Park Service

National Register of Historic Places  
Continuation Sheet

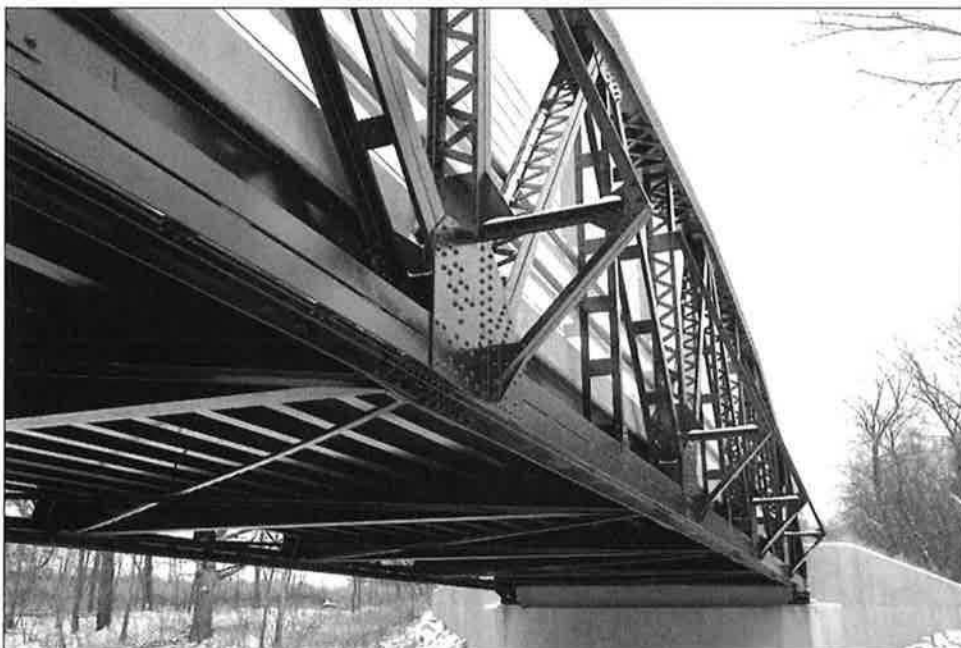
Section number Photographs Page 3

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota</i>
Name of multiple listing (if applicable)

Photo #4: Elevation view of north truss interior with wire railing system, looking northeast.



Photo #5: Oblique view of south truss, showing outrigger system, looking east.





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

**National Register of Historic Places**  
**Continuation Sheet**

Section number Photographs

Page 4

Bridge No. 5388 (Bridge No. R0529)

Name of Property

Mower County, Minnesota

County and State

*Iron and Steel Bridges in Minnesota*

Name of multiple listing (if applicable)

Photo #6: Oblique view of new deck system, looking east-southeast.



United States Department of the Interior  
National Park Service

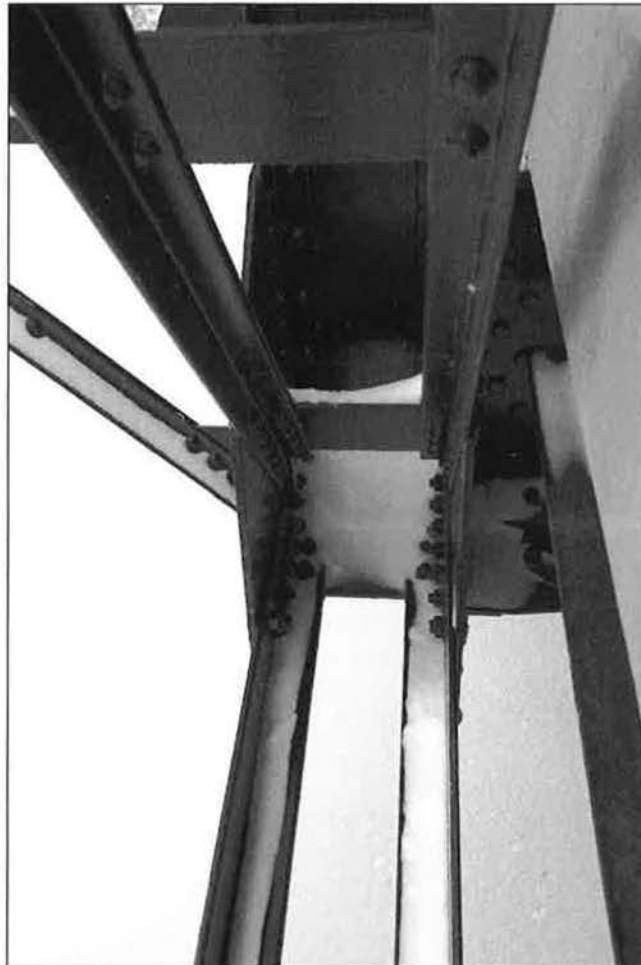
**National Register of Historic Places**  
**Continuation Sheet**

Section number Photographs

Page 5

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota</i>
Name of multiple listing (if applicable)

Photo #7: Typical refabricated lower chord joint on south truss with original gusset plate, looking down and west.



United States Department of the Interior  
National Park Service

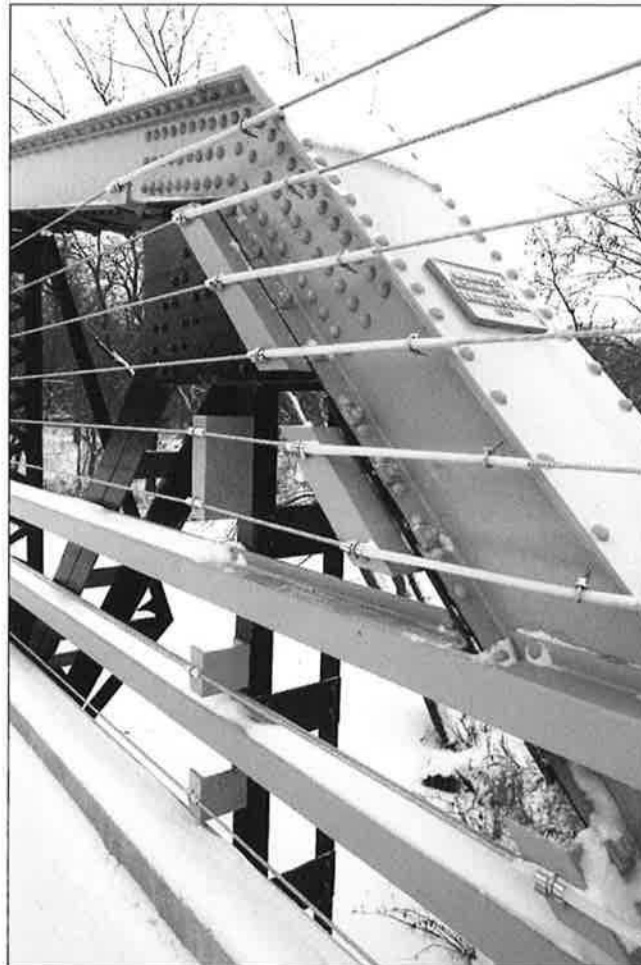
**National Register of Historic Places  
Continuation Sheet**

Section number Photographs

Page 6

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota</i>
Name of multiple listing (if applicable)

Photo #8: Oblique view of upper chord and wire railing system on south truss, looking southeast.



United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number Photographs

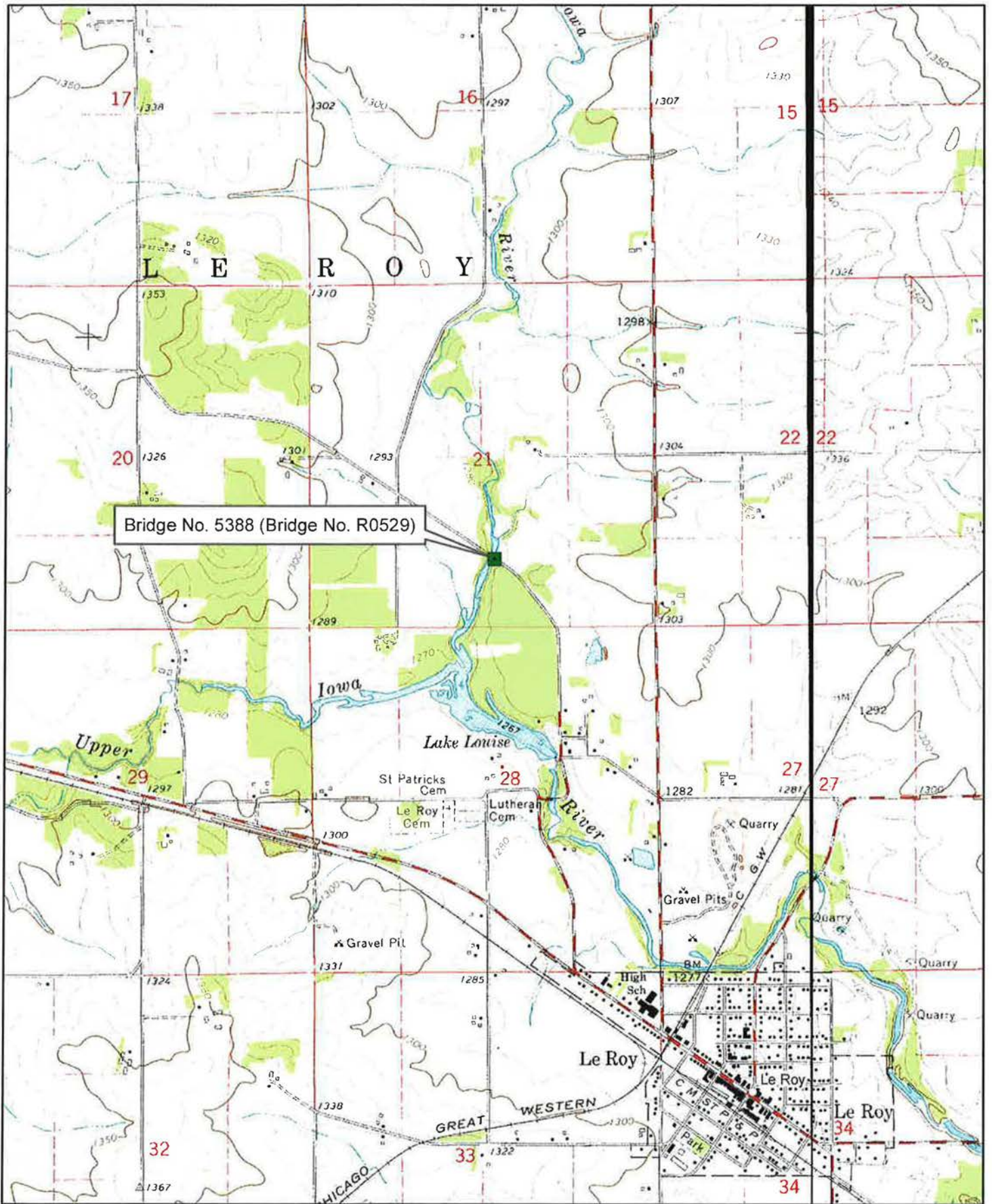
Page 7

Bridge No. 5388 (Bridge No. R0529)
Name of Property
Mower County, Minnesota
County and State
<i>Iron and Steel Bridges in Minnesota</i>
Name of multiple listing (if applicable)

Photo #9: Oblique view of southeast concrete post showing wire railing system, looking southeast.



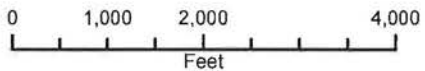




Bridge No. 5388 (Bridge No. R0529)



Bridge No. 5388 (Bridge No. R0529)  
 Mower County, Minnesota  
 UTM 1983 Zone 15: Easting: □538889.85 Northing: □4820043.08































UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES  
EVALUATION/RETURN SHEET

REQUESTED ACTION: ADDITIONAL DOCUMENTATION

PROPERTY NAME: Bridge No. 5388 (Bridge No. R0529)

MULTIPLE NAME: Iron and Steel Bridges in Minnesota MPS

STATE & COUNTY: MINNESOTA, Mower

DATE RECEIVED: 12/18/15 DATE OF PENDING LIST:  
DATE OF 16TH DAY: DATE OF 45TH DAY: 2/02/16  
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 98000718

NOMINATOR: STATE

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N  
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N  
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

ACCEPT  RETURN  REJECT \_\_\_\_\_ DATE

ABSTRACT/SUMMARY COMMENTS:

**Additional Documentation Approved**

RECOM./CRITERIA Accept

REVIEWER Edson Beall

DISCIPLINE History

TELEPHONE \_\_\_\_\_

DATE 2-2-16

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

If a nomination is returned to the nominating authority, the nomination is no longer under consideration by the NPS.

National Register of Historic Places  
Memo to File

# Correspondence

The Correspondence consists of communications from (and possibly to) the nominating authority, notes from the staff of the National Register of Historic Places, and/or other material the National Register of Historic Places received associated with the property.

Correspondence may also include information from other sources, drafts of the nomination, letters of support or objection, memorandums, and ephemera which document the efforts to recognize the property.

UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES  
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY Bridge No. 5388  
NAME:

MULTIPLE Iron and Steel Bridges in Minnesota MPS  
NAME:

STATE & COUNTY: MINNESOTA, Meeker

DATE RECEIVED: 5/29/98 DATE OF PENDING LIST: 6/09/98  
DATE OF 16TH DAY: 6/25/98 DATE OF 45TH DAY: 7/13/98  
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 98000718

NOMINATOR: STATE

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N  
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N  
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

ACCEPT  RETURN  REJECT 6/26/98 DATE

ABSTRACT/SUMMARY COMMENTS:

Entered in the  
National Register

RECOM./CRITERIA \_\_\_\_\_

REVIEWER \_\_\_\_\_ DISCIPLINE \_\_\_\_\_

TELEPHONE \_\_\_\_\_ DATE \_\_\_\_\_

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

December 11, 2015

Ms. Stephanie Toothman  
Keeper, National Register of Historic Places  
Mail Stop 2280, 8<sup>th</sup> Floor  
1201 Eye Street NW  
Washington, DC 20005

Dear Ms. Toothman:

RE: Relocation of Bridge No. 5388 (Bridge No. R0529), Meeker County, Minnesota  
(Reference Number: 98000718)

In accordance with Federal Regulations 36 CFR Part 60.14, enclosed is the documentation relating to the relocation of Bridge No. 5388 (Bridge No. R0529).

The property was moved from its original site in Meeker County and placed at its new location in Lake Louise State Park, Mower County, on February 7, 2012 in a manner consistent with the comments of the Advisory Council on Historic Preservation, in accord with its procedures in 36 CFR Part 800, and a memorandum of agreement.

If you have questions regarding this material, please contact Denis Gardner, National Register Historian, at 651-259-3451 or [denis.gardner@mnhs.org](mailto:denis.gardner@mnhs.org).

Sincerely,



Barbara Mitchell Howard  
Deputy State Historic Preservation Officer  
Minnesota Historic Preservation Office  
Minnesota Historical Society

Minnesota Historical Society  
State Historic Preservation Office  
345 Kellogg Blvd West, St. Paul, Minnesota 55102  
651-259-3451

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DEC 18 2015

Nat. Register of Historic Places  
National Park Service

**TO:** Stephanie Toothman, Keeper  
National Register of Historic Places

**FROM:** Denis P. Gardner

**DATE:** December 11, 2015

**NAME OF PROPERTY:** Bridge No. 5388

**COUNTY AND STATE:** Mower, Minnesota

**SUBJECT:** National Register:  
 Nomination  
 Multiple Property Documentation Form  
 Request for determination of eligibility  
 Request for removal (Reference No.        )  
 Nomination resubmission  
 Boundary increase/decrease (Reference No.        )  
 Additional documentation (Reference No. 98000718)

**DOCUMENTATION:**

- Original National Register of Historic Places Registration Form
- Multiple Property Documentation Form
- Continuation Sheets
- Removal Documentation
- Photographs
- CD w/ image files
- Computer generated map
- Sketch map(s)
- Correspondence
  - Owner Objection
    - The enclosed owner objections
    - Do  Do not  constitute a majority of property owners

**STAFF COMMENTS:**

The enclosed amendment is for the relocation of Bridge No. 5388 (Reference No. 98000718). The accompanying cover letter offers additional explanation.