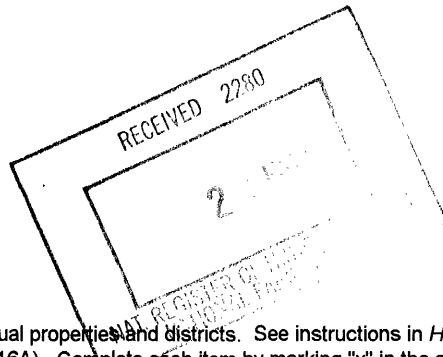


United States Department of the Interior  
National Park Service

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 (Form 10-900-a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

Historic name: Northwood Bridge

Other names/site number: Goose River Bridge: 32GF282

2. Location

Street & number: unnamed county road  not for publication

City or town: Northwood  vicinity

State: North Dakota Code: ND County: Grand Forks Code: 035 Zip code: 58267

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1966, 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.)

Signature and title of certifying official

James E. Sperry  
James E. Sperry

January 8, 1997

Date

State Historic Preservation Officer (North Dakota)

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

Signature of the Keeper

Date of Action

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): \_\_\_\_\_

Signature of the Keeper

Date of Action

Edson H. Beall 2/27/97

Northwood Bridge  
Name of Property

Grand Forks, North Dakota  
County and State

**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	
_____	_____	buildings
_____	_____	sites
<u>1</u>	_____	structures
_____	_____	objects
<u>1</u>	_____	Total

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

**Number of contributing resources previously listed in the National Register**

Historic Roadway Bridges of N.D.

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: Pratt pony truss bridge  
\_\_\_\_\_

**Materials**  
(Enter categories from instructions.)

foundation concrete  
walls \_\_\_\_\_  
roof \_\_\_\_\_  
other steel  
\_\_\_\_\_

**Narrative Description**

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

Northwood Bridge  
Name of Property

Grand Forks, North Dakota  
County and State

**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 one or more continuation sheets.)

**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 Name of repository: # \_\_\_\_\_
- recorded by Historic American Engineering Record # \_\_\_\_\_

**Areas of Significance**

(Enter categories from instructions)

TRANSPORTATION  
ENGINEERING

**Period of Significance**

1906-1946

**Significant Dates**

1906

**Significant Person**

(Complete if Criterion B is marked above)

N/A

**Cultural Affiliation**

N/A

**Architect/Builder**

Builder: Fargo Bridge & Iron Co.

Northwood Bridge  
Name of Property

Grand Forks, North Dakota  
County and State

**10. Geographical Data**

**Acreage of Property** Less than one acre.

**UTM References**

(Place additional UTM references on a continuation sheet.)

1	1   4	6   0   4   4   9   0	5   2   8   5   6   3   0	2	_   _	_   _	_   _	_   _	_   _	_   _	_   _
	Zone	Easting	Northing		Zone	Easting	Northing				
3	_   _	_   _	_   _	_   _	4	_   _	_   _	_   _	_   _	_   _	_   _

See continuation sheet

**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: Mark Hufstetler / Historian  
Organization: Renewable Technologies, Incorporated Date: December 10, 1996  
Street & Number: 511 Metals Bank Building Telephone: (406) 782-0494  
City or Town: Butte State: Montana Zip code: 59701

**Additional Documentation**

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 SHPO or FPO.)

Name: Grand Forks County  
Street & Number: Courthouse; P.O. Box 5066 Telephone: (701) 780-8261  
City or Town: Grand Forks State: North Dakota Zip code: 58201

**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 number 7 Page 1

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NORTHWOOD BRIDGE  
GRAND FORKS COUNTY, NORTH DAKOTA

### Narrative Description:

The Northwood bridge is located on an unpaved county road in rural Grand Forks County, North Dakota. The site is located approximately 1.5 miles west and 1.5 miles south of Northwood, North Dakota. The bridge, constructed on a northeast-southwest axis, carries a graveled road through across the Goose River, serving as a connecting route between the county's network of "section-line" roads. Most of the surrounding landscape is heavily cultivated, but the shallow draw containing the Goose River is heavily wooded with native deciduous trees and other vegetation. The river, a major watercourse in the area, meanders heavily through the narrow draw.

The bridge itself is a pin-connected Pratt half-hip pony truss, with a steel superstructure. The Pratt design, which saw widespread use nationally and in North Dakota during the late nineteenth and early twentieth centuries, is characterized by the presence of relatively-heavy vertical members designed to handle the compressive stress of a bridge load. The use of pinned rather than riveted connections dates the Northwood bridge as a relatively early Pratt design. The half-hip configuration (where verticals do not touch the intersection between the upper and end chords) is relatively unusual in the state. The bridge contains a single truss span, four panels in length; there are no approach spans. Overall, the bridge is approximately 56 feet long, with a vehicle deck 18 feet wide.

Design details of the bridge's substructure and superstructure are outlined below:

*Substructure:* concrete abutments with wing walls at both ends

*Superstructure:*

*upper chords:* two channel sections with continuous cover plate along the upper flanges and batten plates along the lower flanges

*lower chords:* paired punched eyebars

*verticals:* two pairs of angle sections with lacing bars in between

*diagonals:* paired punched eyebars

*counters:* looped round rods

*laterals (bottom):* round rods

*moveable end:* none visible

*floor system:* I-beam stringers with outside channels, resting on I-beam floor beams, connected to the superstructure with U-bolts

*decking:* a single layer of wood planks, with partial wood curbs

*railing:* three angle sections

*steelmaker's marks:* Carnegie Steel Co. (U.S. Steel), Pittsburgh

Metal plaques mounted to end chords at both bridge portals carry the

United States Department of the Interior  
National Park Service

**National Register of Historic Places  
Continuation Sheet**

Section number 7 Page 2

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NORTHWOOD BRIDGE  
GRAND FORKS COUNTY, NORTH DAKOTA

following lettering: "FARGO / BRIDGE & IRON / CO. / 1906 / FARGO ND."

The bridge retains a generally high level of integrity; it remains in its original location, and all major components of the superstructure appear to retain their as-built appearance. The concrete substructure is probably historic, but may not be original.

The Northwood Bridge is owned and maintained by Grand Forks County. It carries the state numerical designation 18-114-33.0.

United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 8 Page 3

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NORTHWOOD BRIDGE  
GRAND FORKS COUNTY, NORTH DAKOTA

### **Narrative Statement of Significance:**

In accordance with the guidelines established in the Multiple Property Documentation form for "Historic Roadway Bridges in North Dakota," the Northwood Bridge is eligible for listing in the National Register of Historic Places with local significance under Criteria "A" and "C." The bridge is significant under Criterion A for its association with roadway development in rural Grand Forks County. It is eligible under Criterion C as a representative example of the Pratt half-hip design, a relatively uncommon variant of the nearly ubiquitous Pratt form. The Pratt design was easily the most common bridge type employed in medium and long-span construction in turn-of-the-century North Dakota. The bridge is also significant as the oldest documented bridge in Grand Forks County.

Historical information: This bridge was built in 1906 by the Fargo Bridge & Iron Co. In May of that year, FB&I was selected from among three bidders for the annual steel bridge contract in the county (the wooden bridge work went to another contractor). Apparently, this bridge was the only steel span erected during the year. It cost the county \$2,450.

Fargo Bridge and Iron was easily the largest North Dakota-based builder of bridges in the state during the first two decades of the twentieth century, with a particularly strong presence in the southern and eastern regions of the state. At least fifty historic Fargo Bridge & Iron bridges are believed to survive in North Dakota.

United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number   9   Page   4  

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NORTHWOOD BRIDGE  
GRAND FORKS COUNTY, NORTH DAKOTA

### **Bibliography:**

Grand Forks County Commission: Proceedings Book 6, pp. 180, 209, 275.

Johnson, Lon, et.al. "Historic Bridges in North Dakota." Bismarck: North Dakota Department of Transportation, 1992.



United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number 10 Page 5

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NORTHWOOD BRIDGE  
GRAND FORKS COUNTY, NORTH DAKOTA

### Verbal Boundary Description:

The bridge is located in the Southeast quarter of Section 18, Township 149 North, Range 54 West. The boundary consists of a rectangle, measuring 106 feet northeast-southwest and 68 feet southeast-northwest, and centered on the bridge superstructure.

### Boundary Justification:

The boundary is constructed to include the area occupied by the bridge superstructure and substructure, as well as a 25-foot buffer of land immediately surrounding the structure.

United States Department of the Interior  
National Park Service

## National Register of Historic Places Continuation Sheet

Section number Photographs Page 6

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NORTHWOOD BRIDGE  
GRAND FORKS COUNTY, NORTH DAKOTA

### Index to Photographs

Photographer: Mark Hufstetler

Date: April 1996

Location of original negatives: State Historical Society of North Dakota,  
Bismarck.

Photograph Number	Description	Direction of View
1	Southwest portal and southeast elevation	N
2	Southwest portal	NE
3	Bridge plaque	NE