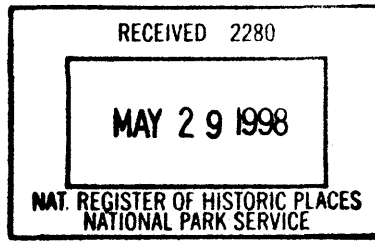


United States Department of the Interior  
National Park Service

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 Snider Bridge

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

2. Location

street & number 220th Street over unnamed stream  not for publication

city or town 4.2 miles west of Corning  vicinity

state Iowa code IA county Adams code 003 zip code 50841

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 Churking DSNPO 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: pinned Pratt pony truss

**Materials**

(Enter categories from instructions)

foundation Timber pile

walls \_\_\_\_\_

roof \_\_\_\_\_

other Wrought iron

**Narrative Description**

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

Located 4.2 miles west of Corning, the Snider Bridge spans an unnamed stream in a rural Adams County setting that has changed little since the structure's period of significance. A description of the structure follows:

span number: 1	construction date: 1885
span length: 60.0'	construction cost: \$1451.00 (two-bridge contract)
total length: 119.0'	current condition: fair
roadway wdt.: 13.7'	alterations: substructure and approach spans replaced

superstructure: wrought iron, 4-panel, pin-connected Pratt pony truss, with timber stringer approach spans

substructure: timber pile bent abutments, wingwalls and piers

floor/decking: timber deck over steel stringers

other features: upper chord/inclined end post: two channels with cover and batten plates; lower chord: two punched rectangular eyebars; vertical: four angles with lacing or two looped square eyebars; diagonal: two looped rectangular eyebars; counter: one looped round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; outrider: 2 angles, attached to 2-angle floor beam extensions; fishtail plate girder floor beams

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

**Areas of Significance**

(Enter categories from instructions)

ENGINEERING

**Period of Significance**

1885

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

**Significant Dates**

1885 (construction date)

**Significant Person**

(Complete if Criterion B is marked above)

N/A

**Cultural Affiliation**

N/A

**Architect/Builder**

designer:

Reeves, Ward and Keeper, Clinton IA

fabricator:

Reeves, Ward and Keeper, Clinton IA

builder:

Reeves, Ward and Keeper, Clinton IA

**Narrative Statement of Significance**

(Explain the significance of the property on 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
- 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	<u>15</u>	<u>346530</u>	<u>453880</u>	2	<u></u>	<u></u>	<u></u>
	zone	easting	northing		zone	easting	northing

**Verbal Boundary Description**

(Describe the boundaries of the property)

The nominated property is a rectangular-shaped parcel measuring 16 feet by 119 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	<u>Clayton Fraser</u>		
organization	<u>Fraserdesign</u>	date	<u>31 August 1994</u>
street & number	<u>1269 Cleveland Avenue</u>	telephone	<u>303-669-7969</u>
city or town	<u>Loveland</u>	state	<u>Colorado</u> zip code <u>80537</u>

**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	<u>Adams County</u>		
street & number	<u>P.O. Box 28</u>	telephone	<u>515-322-3910</u>
city or town	<u>Corning</u>	state	<u>Iowa</u> zip code <u>50841</u>

**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  

**Snider Bridge** Adams County; Iowa

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The Snider Bridge carries a gravel-surfaced county road over a small stream some four miles west of Corning. This medium-span pony truss dates to 1885. In June of that year the Adams County Board of Supervisors received petitions for seventeen small bridges. The largest of these proposed bridges was requested by George Snider, who asked that a 60-foot bridge be built in the west part of Section 31 of Quincy Township. Viewing a number of the petitions favorably, the board immediately began formulating construction plans. For the two longest spans, including the Snider Bridge, the board decided to solicit bids to erect iron structures. On June 15th bids were received from eight firms, and a contract to build both bridges was awarded to Reeve, Ward and Keepers of Clinton, Iowa. The contract price for both crossings was \$1451.00. Completed later that year, the Snider Bridge has carried wagon and auto traffic since. The sub-structure and approach spans have been replaced entirely, but the pinned Pratt truss remains in unaltered condition.

The bowstring arch-truss was the iron bridge of choice for short- to medium-span applications in Iowa in the 1860s and 1870s. By 1880, the pin-connected Pratt truss had begun to supersede the bowstring for roadway bridges. Patented in 1844 by Thomas and Caleb Pratt, the Pratt design is distinguished by vertical members acting in compression and diagonals that act in tension. "The Pratt truss is the type most commonly used in America for spans under two hundred and fifty (250) feet in length," noted bridge engineer J.A.L. Waddell wrote in 1916. "Its advantages are simplicity, economy of metal, and suitability for connecting to the floor and lateral systems." Virtually all of the major regional bridge fabricators manufactured Pratt trusses and marketed them extensively to Iowa's counties. This included the fledgling Clinton, Iowa, firm of Reeve, Ward and Keepers. Thousands of pinned Pratt trusses were erected throughout Iowa, in both through and pony configurations, and many remain in service today. The Snider Bridge is distinguished as among the earliest of the Pratt pony trusses remaining in the state. The oldest remaining roadway bridge in Adams County, it is further distinguished as the earliest truss in the state attributable to this obscure Iowa firm. In well-preserved condition, the Snider Bridge is an important early resource of Iowa transportation.

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

**National Register of Historic Places  
Continuation Sheet**

Section Number   9   Page   2   Snider Bridge Adams County; Iowa

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Iowa Department of Transportation, Structure Inventory and Appraisal, Structure No. 059190.

Adams County Supervisors Record Book 4: page 173 (4 June 1885) - located at Adams County Courthouse, Corning IA.

Field inspection by Clayton Fraser and Sheila Bricher-Wade 14 March 1991.