

United States Department of the Interior  
National Park Service

NATIONAL REGISTER  
LISTED

JUL 02 2008

### 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 10-9000a). Use a typewriter, word processor, or computer, to complete all items.

#### 1. Name of Property

Historic name Bridge #222 - Off System Bridge  
Other name/site number Bridge #222 - Off System Bridge - Barton County, Kansas

#### 2. Location

Street & number NE 60 Ave. S & NE 210 Rd. 1/8 mile East on 210 Rd  not for publication  
City or town Beaver  vicinity  
State Kansas Code KS County Barton Code 009 Zip code \_\_\_\_\_

#### 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.)

*Patrick Zollner*

*5/16/08*

Patrick Zollner, Deputy State Historic Preservation Officer  
Kansas State Historical Society

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 commenting official /Title

Date

State or Federal agency and bureau

#### 4. National Park Service Certification

I hereby certify that the property is

Signature of the Keeper

Date of Action

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

Bridge #222 - Off System Bridge  
Name of Property

Barton County, Kansas  
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
1	_____	structures
_____	_____	objects
1	_____	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**

New Deal-era Resources of Kansas MPS

0

**6. Function or Use**

**Historic Functions**  
(Enter Categories from instructions)

**Current Functions**  
(Enter categories from instructions)

Transportation: Road Related (Vehicular)

Transportation: Road Related (Vehicular)

**7. Description**

**Architectural Classification**  
(Enter categories from instructions)

**Materials**  
(Enter categories from instructions)

Other: Works Projects Administration (WPA)

Foundation: STONE: Limestone

Stone Bridge

Walls: STONE: Limestone

Roof:

Other: CONCRETE

**Narrative Description**

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

Bridge #222 - Off System Bridge

Barton County, Kansas

Name of Property

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)

- Criteria A, B, C, D with checkboxes and descriptions.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- Criteria A through G with checkboxes and descriptions.

Narrative Statement of Significance

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

Areas of Significance

(Enter categories from instructions)

SOCIAL HISTORY

GOVERNMENT

ARCHITECTURE

Period of Significance

1940

Significant Dates

1940

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

Works Projects Administration

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):

- Documentation checkboxes: preliminary determination, previously listed, designated landmark, recorded by Historic American Buildings Survey, recorded by Historic American Engineering.

Primary location of additional data:

- Location checkboxes: State Historic Preservation Office, Other State agency, Federal agency, Local government, University, Other.

Name of repository:

Barton County

Bridge #222 - Off System Bridge  
Name of Property

Barton County, Kansas  
County and State

**10. Geographical Data**

Acreage of Property Less than one.

**UTM References**

(Place additional UTM references on a continuation sheet.)

1

1	4	9	8	3	9	5	0	3	8	4	0	0	0	1
Zone		Easting					Northing							

2

Zone		Easting					Northing							

3

Zone		Easting					Northing							

4

Zone		Easting					Northing							

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 Janet Crane, Financial Officer  
Organization Barton County, Kansas Date 11/5/2007  
Street & number 1400 Main Room 107 Telephone 620-793-1800  
City or town Great Bend State KS Zip code 67530

**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 SHPO or FPO for any additional items)

**Property Owner**

Name Barton County, Kansas  
Street & number 1400 Main Room 107 Telephone 620-793-1800  
City or town Great Bend State KS Zip code 67530

**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

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Bridge #222  
Beaver vicinity, Barton County, Kansas

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**NARRATIVE DESCRIPTION**

**Summary**

This limestone and concrete bridge is located on an east-west rural township road, NE 210 Road, just one-eighth mile east of NE 60 Avenue in northeast Barton County. The bridge spans a tributary of Beaver Creek and was completed in 1940 as a Works Projects Administration job. "WPA" is stamped in the north concrete curb and "1940" is stamped in the south concrete curb of the bridge. The bridge supports and foundation are made of native limestone, and the deck is made of concrete. Concrete bridge rails span the length of the bridge on each side. Pasture and crop land surround the bridge. Limestone beds can be seen on the ridges of the hills dotting the countryside.

Due to the dimensions of the bridge, repair and maintenance is the responsibility of the Barton County Road and Bridge Department. The bridge is also required to be inspected by the Kansas Department of Transportation (KDOT).

This bridge is very similar in design and dimension to two other nearby WPA bridges that are also being nominated to the National Register: Bridge #640 and Bridge #650. Bridge #222 is located at the same intersection as Bridge #640, while Bridge #650 is just one mile north.

**Elaboration**

The superstructure of the bridge is comprised of concrete beams and banisters. The bridge substructure – the wingwalls, foundation, and single central support – is made of cut limestone blocks and mortar. The limestone blocks have a rusticated face and many retain the tool markings from when they were quarried by skilled WPA construction workers. The deck of the bridge is 26 feet long and the bridge roadway is 24 feet wide. The bottom of the bridge deck sits five feet off the ground. There are 10 feet between each bridge support. The only features visible from the roadway are the concrete banisters that serve as guardrails and the "WPA" and "1940 stamps on either side. The limestone wingwalls are built into the roadside embankments and protect the structure from erosion during high water flows.

We do not know who specifically designed this bridge. We do know that then-Barton County Engineer Harry Hunsley, II, designed many of the county's bridges.

This bridge is showing some deterioration in the mortar joints, but there are no significant structural concerns. The bridge has remained in use for public vehicular traffic since its construction in 1940 to the present time. It is listed in the bridge inventory of Barton County. Routine repairs and maintenance have been made to the bridge to comply with KDOT bridge inspections.

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Bridge #222  
Beaver vicinity, Barton County, Kansas

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STATEMENT OF SIGNIFICANCE

**Summary**

Bridge #222 is being nominated to the National Register of Historic Places under Criterion A for its construction under the supervision of the Works Projects Administration (WPA) and Criterion C for its architectural significance as a native limestone bridge. The bridge, unique with limestone abutments, crosses a tributary of Beaver Creek in northern Barton County, north of Beaver. The bridge's native limestone construction is typical of structures built in this area and is representative of the master stone builders and craftsmanship of bridge construction workers trained by the WPA. The bridge is being nominated as part of the New Deal-era Resources of Kansas MPS.

**History**

*Beaver -area History*

"During the summer of 1918, Mr. Piester was named as local sales agent for the sale of town lots for the present town of Beaver. During this summer, Mr. Piester assisted in the organization of a bank to be known as the Farmers National Bank, to be located in the future town of Beaver. The Board of Directors of the Farmers National Bank were also the owners of the Farmers State Bank at Redwing, including the building housing it. It was voted to move the building and business of the Bank of Redwing to a site eight miles north. The building was placed on a moving outfit and was placed in Block 10 of the new Town of Beaver, and opened for business on Monday, August 10, 1918. Thus, was born the Town of Beaver, Kansas."<sup>1</sup>

*New Deal-era Historic Context*<sup>2</sup>

Through the Works Progress Administration (later reorganized as the Works Projects Administration), Kansas realized many new public building and recreational facilities. Between July 1, 1935 and June 1, 1939 the WPA either built or improved 619 buildings in the state. That figure includes 36 administrative buildings, 16 auditoriums, 45 barns and stables, 58 community buildings, 59 dormitories, three firehouses, 35 garages, 12 gymnasiums, two hospitals, three jails and reformatories, ten other institutional buildings, seven libraries, 142 schools, 52 stadiums, and 16 warehouses. In addition, there were 121 WPA recreational facilities, including 59 athletic fields, 91 parks, five fairgrounds, 92 playgrounds, 40

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<sup>1</sup> Calvin Piester, *Family Heritage Album of Barton County, Kansas – Founding and Early History of Beaver, Kansas*. Written for the 1961 Diamond Jubilee of Hoisington.

<sup>2</sup> The following historic context regarding the Works Progress Administration is included in Elizabeth Rosin's "New Deal-era Resources of Kansas" Multiple Property Document, filed at the Kansas State Historic Preservation Office, Topeka, Kansas: p. E20-22.

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swimming and wading pools, 14 band shells, five outdoor theaters, and 140 golf courses, tennis courts, handball courts and horseshoe courts.<sup>3</sup>

In 1939, Clarence Nevins, the state WPA Administrator, commended the people of Kansas. He observed,

“Your attention is called to the fact that practically all of the projects in Kansas have been sponsored by your local governments, and we take this opportunity to commend the counties, the cities, boards of education and other local governmental units in the State for the high type of projects submitted to this agency...”

Nevins concluded by commenting that in June of 1939 there were roughly 30,000 Kansans on the WPA rolls. He observed that over 47 percent were employed on highway or road and street projects; seven percent on public buildings; nine percent on recreational buildings; five percent on utility projects; three percent on road conservation projects; and two percent on airport and airway projects.<sup>4</sup>

*Bridge History Context*

Although this bridge is not nominated under the “Masonry Arch Bridges of Kansas” MPS document, it offers important contextual information. As is noted in the MPS document, “Little historical information, such as the designer, builder, and date of construction, is available on many of small rural bridges. Often bridge plaques that may have contained historical information have been removed or the county’s records are not complete.”<sup>5</sup>

There is no record of who designed this particular bridge, but it is known that then-Barton County Engineer Harry Hunsley, II, was integrally involved in the planning and execution of this and other similar local bridge projects. Fortunately, this bridge retains its “WPA 1940” stamp on the cement curb of the bridge noting its construction as part of a WPA project. More than likely this same bridge design was used multiple times. This bridge is very similar in design and dimension to two other nearby WPA bridges that are also being nominated to the National Register: Bridge #640 and Bridge #650. Bridge #222 is located at the same intersection as Bridge #640, while Bridge #650 is just one mile north.

The “Masonry Arch Bridges of Kansas” MPS document also discusses the use of limestone arched bridges well before the New Deal programs of the 1930s. It suggested that the use of limestone was common because “the stone was often available locally. Thus, a larger amount of the money expended for the construction could be retained within the area than would be true with the purchase of a metal

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<sup>3</sup> Works Projects Administration, Federal Works Agency, (Topeka, KS: n.p., 1939), 1, 10. Kansas State Historical Society, Topeka, KS. This document provides only aggregate numbers of projects. While it is illustrated by photos of selected projects, there is no comprehensive list of projects for Kansas communities.

<sup>4</sup> Eric Foner and John A. Garraty, The Reader’s Companion to American History (Boston: Houghton-Mifflin, 1991), 1168.

<sup>5</sup> The following historic context regarding the Works Progress Administration is included in Elizabeth Rosin’s “New Deal-era Resources of Kansas” Multiple Property Document, filed at the Kansas State Historic Preservation Office, Topeka, Kansas: p. E20-22.

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Beaver vicinity, Barton County, Kansas

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structure. It was also often possible to use local workers on the project. This approach sometimes had its drawbacks as the quality of local stone and workers would vary widely.”<sup>6</sup>

*Construction Process*

The current Barton County Engineer, Clark Rusco and Financial Officer, Janet Crane interviewed Harry Hunsley, III, about several area WPA bridges. The following excerpt on the construction process was compiled from this interview and Mr. Hunsley’s personal notes:

During the late 1930s and early 1940s, the Works Projects Administration (WPA) began a massive public works program to provide living wages for the unemployed. A part of this program was the construction of hundreds of small drainage structures of native limestone in Kansas. The stone arch bridges built throughout North Central Kansas during the WPA era were generally built close to the quarry. Evidence of these old quarries can normally be found within a half mile of the structure location. The difficulty of transporting stone by man and animal made it mandatory that quarries be located near the job site. There is evidence of numerous abandoned quarries within a short distance of Beaver.

The limestone ledges would be stripped of overburden by use of mules/horses pulling a drag or “tumble bug”; the cleaned surface would then have a series of holes manually drilled at even spaces approximately 12” apart by use of a star drill. The holes would be carefully filled with water and allowed to freeze overnight. The freezing process would open a seam in the rock, and men would carefully break out the rock using pry bars specially made for this operation.

The stones were sometimes cut into proper sizes at the quarry and transported to the job site by wagons. Other times, the stone would be taken to the job site in long (8’-10’) lengths which were carefully attached to the undercarriage of wagons by block and tackle accompanied by serious physical labor. It is a general assumption that the decision as to whether to take cut stones or long slabs depended on where the stone masons wanted to perform the finish operation of dressing the individual stones to fit the plans for the structure.

Most, but not all, of these structures were built as arches. Bridges employing only compression are relatively inefficient structurally, but may be highly cost efficient where suitable materials are available near the site and the cost of labor is low. For medium spans, trusses or box beams are usually most economical, while in some cases, the appearance of the bridge may be more important than its cost efficiency. This is very true of construction during the WPA era; the purpose was to create jobs for the unemployed, not the practicality of the project.

*Summary*

Author Henry Tyrrell said in his book *Artistic Bridge Design* that “the bridges and structures created by a people or nation reveal their degree of aesthetic taste and are a measure of their culture and civilization.

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<sup>6</sup> Ibid.



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Beaver vicinity, Barton County, Kansas

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Bridges should be strong enough to last and beautiful enough to be worth preserving.”<sup>7</sup> This bridge clearly reflects the use of local materials and craftsmanship that is worthy of preservation. The bridge remains a part of the public transportation system for Barton County and is used by typical rural traffic. It is routinely inspected and, with rehabilitation, should retain its structural integrity and be preserved as an example of local stone arch bridge building skill.

Barton County is the lead governmental agency for the Kansas Wetlands and Wildlife National Scenic Byway. There is an increased historic awareness of the architectural significance of projects built under the WPA. We realize that tourists and travelers enjoy the cultural and historic aspects of local communities. Developing a listing of historic WPA bridges will enhance the travelers’ experience of our local region.

Our local citizens want to protect our historic resources to preserve our own cultural heritage for generations to come. Most importantly, the bridge is beautiful and aesthetically charming in the rural countryside setting.

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<sup>7</sup> As quoted in “Masonry Arch Bridges of Kansas” MPS, p 8-3.

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Beaver vicinity, Barton County, Kansas

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**BIBLIOGRAPHY**

Barton County Commission Minutes dated July 8, 1941.

Conversations with Harry Hunsley, III - Russell, Kansas.

Harry Hunsley, III, is the son of a prior Barton County Engineer, Harry Hunsley, II. Harry Hunsley, II was the Barton County engineer during the WPA era. His work for the County spanned for the period 1936 – 1956.

Jochims, Larry. "Masonry Arch Bridges of Kansas." National Register Multiple Property Documentation Form. 1985. Filed at the Kansas State Historic Preservation Office.

Piester, Calvin. Family Heritage Album of Barton County, Kansas - Founding and Early History of Beaver, Kansas. Written for the 1961 Diamond Jubilee of Hoisington.

Rosin, Elizabeth, et. al. "New Deal-era Resources of Kansas." National Register Multiple Property Documentation Form. 2002. Filed at the Kansas State Historic Preservation Office.

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Section Number 10 & Photos Page 7 Bridge #222  
Beaver vicinity, Barton County, Kansas

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**VERBAL BOUNDARY DESCRIPTION**

The bridge is centered on a point whose longitude is 98° 39' 50" and latitude is 38° 40' 1". There is a 50-foot right-of-way width surrounding this area. The nominated property includes the entire right-of-way.

SW ¼ SEC 9, T 16 S, R 12 W  
NW ¼ SEC 16, T 16 S, R 12 W

**BOUNDARY JUSTIFICATION**

These boundaries were selected to encompass the entire right-of-way surrounding the bridge.

**PHOTOGRAPIC INFORMATION**

Property Name: Bridge # 222 – Off System Bridge  
Location: Beaver vicinity, Barton County, Kansas  
Photographer: Clark Rusco  
Date: 3 January 2008  
Location of Digital Images or Negatives: Kansas State Historical Society

- Photo 1: Overall view of bridge, facing NE
- Photo 2: South elevation and ditch, facing E
- Photo 3: Close-up of south elevation, facing NE
- Photo 4: Close-up of date stamp "1940" on south concrete curb, facing S
- Photo 5: Close-up of "WPA" stamp on north concrete curb, facing N

14: 529294 E  
4279655 N

Bridge # 222  
Barton Co. KS

