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United States Department of the Interior
National Park Service

RECEIVED

MAY 18 1993

National Register of Historic Places
Registration Form

NATIONAL
REGISTER

This form is for use in nominating or requesting determinations of eligibility for individual properties or districts. See instructions in *Guidelines for Completing National Register Forms* (National Register Bulletin 16). Complete each item by marking "x" in the appropriate box or by entering the requested information. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, styles, materials, and areas of significance, enter only the categories and subcategories listed in the instructions. For additional space use continuation sheets (Form 10-900a). Type all entries.

1. Name of Property

historic name Brownville Bridge
other name/site number NEHBS Number NH00-85

2. Location

street & number U.S. Highway 136 over the Missouri River
city, town east edge of Brownville
state NE; MO county Nemaha, NE; Atchison, MO code 127/005 zip code 68321
N/A not for publication
N/A vicinity

3. Classification

Ownership of Property State of Missouri
Category of Property structure
Number of Resources within Property
Contributing Noncontributing
0 0 buildings
0 0 sites
1 0 structures
0 0 objects
1 0 Total

Number of contributing resources previously listed in the National Register: 0
Name of related multiple property listing: Highway Bridges in Nebraska, 1870-1942

4. 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.

Janet Sommer
Signature of certifying official May 10, 1993
Date
Director, Nebraska State Historical Society
State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register Criteria.
Claire F. Blackwell
Signature of commenting or other official Claire F. Blackwell, Deputy SHPO 18 November 1992
Date
Missouri Department of Natural Resources
State or Federal agency and bureau

5. 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:)

Entered in the National Register
Delores Byer
6/17/93

for
Signature of the Keeper
Date of Action

6. Function or Use

Historic Function (enter categories from instructions)

TRANSPORTATION/road-related

Current Function (enter categories from instructions)

TRANSPORTATION/road-related

7. Description

Architectural Classification (enter categories from instructions)

OTHER /riveted Warren cantilevered through truss

Materials (enter categories from instructions)

foundation N/A

walls N/A

roof N/A

other N/A

Describe present and historic physical appearance.

Located on the east edge of Brownville, the Brownville Bridge spans the Missouri River on the Nebraska - Missouri state line. Other than maintenance-related repairs, the bridge remains essentially unaltered as it continues to carry vehicular traffic. The Brownville Bridge today retains a high degree of integrity of location, design, setting, materials, workmanship, feeling and association. A description of the structure follows:

| | | | |
|---------------|---------|--------------------|--------------|
| span number: | 2 | construction date: | 1939 |
| span length: | 420.0' | construction cost: | \$708,878.54 |
| total length: | 1904.0' | current condition: | good |
| roadway wdt.: | 22.5' | alterations: | none |

superstructure: steel, rigid-connected Warren cantilever through truss

substructure: concrete abutments with concrete backwalls and sloped wingwalls; concrete piers

floor/decking: concrete deck over I-beam stringers

other features: upper chord: 2 channels with cover plate and ventilated bottom plate; lower chord: 2 channels with cover plate and ventilated bottom plate; vertical: wide flange; diagonal: 2 ventilated channels with continuous plate; portal and overhead bracing: I-beam; top lateral: cross-braced I-beam; bottom lateral: cross-braced back-to-back angle-sections.

8. Statement of Significance

Certifying official has considered the significance of this property in relation to other properties:

| | |
|---------------------------------------|---|
| | statewide |
| Applicable National Register Criteria | C |
| Criteria Considerations (Exceptions) | N/A |
| Areas of Significance | Engineering |
| Period of Significance | 1939 (The period of significance is derived from the original construction date.) |
| Significant Dates | 1939 |
| Cultural Affiliation | N/A |
| Significant Person | N/A |
| Architect/Builder (Designer) | Ash, Howard, Needles and Tammen, Kansas City MO |
| (Fabricator) | Bethlehem Steel Company, Pittsburgh PA |
| (Builder) | Ash, Howard, Needles and Tammen (supervisor); Bethlehem Steel Company (superstructure); C.F. Lytle Company (substructure); C.H. Atkinson Paving Company (embankments) |

State significance of property, and justify criteria, criteria considerations and areas of significance noted above.

The Atchison County (Missouri) Board of Supervisors appears to have initiated the planning for this bridge over the Missouri River, securing the prestigious firm of Ash, Howard, Needles and Tammen (AHNT) for design construction supervision. AHNT modeled the new structure on another two-span, continuous truss bridge they had built over the Missouri River at South Omaha in 1934-35, changing details and construction methods of the previous design to improve aesthetics and reduce cost. Whereas, according to one engineer, a "hodgepodge of deck trusses, girder spans and trestles" were used for the South Omaha approach spans, AHNT used only continuous deck girder approaches for the Brownville Bridge. Construction on the structure began early in 1939, with the Bethlehem Steel Company fabricating and erecting the superstructure, the C.F. Lytle Company building the substructure, and the C.H. Atkinson Paving Company completing the earth embankments. The bridge was completed by October 1939. Total project cost: \$708,878.54. The Missouri Highway Commission provided \$50,000, and the Federal Emergency Administration of Public Works provided a grant of \$311,580. Atchison County issued bonds for the balance of the costs, and operated the bridge as a toll crossing to repay its bondholders and cover maintenance expenses. In 1945 the Nebraska Department of Roads and Irrigation reported that the bridge was in "excellent" condition, although the concrete in the piers was cracking and in need of immediate repair. These repairs were apparently never made. Now a toll-free crossing, the Brownville Bridge is technologically significant for its long-span cantilevered truss design and innovative construction.

For further contextual information regarding bridge building in Nebraska, registration requirements, and property types, see related multiple property listing "Highway Bridges in Nebraska, 1870 - 1942."

9. Major Bibliographical References

Nebraska Department of Roads, Structure Inventory and Appraisal: Structure Number S136 24018; Nebraska Department of Roads and Irrigation, **Twenty-Third Biennial Report, 1939-1940**, p. 23; Ned L. Ashton, "Comments on Design and Construction of Various Mississippi River Bridges," lecture to the American Society of Civil Engineers, Tri-City Section, Davenport, 6 April 1944, copy at the Iowa State Historical Society, Des Moines, Iowa; Henry G. Schlitt, "Missouri River Bridges, Report #2," 7 November 1945, located in Bridge Department Files, Nebraska Department of Roads; field inspection by Jeffrey A. Hess, 19 July 1989.

___ See continuation sheet

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 (specify repository:)

10. Geographical Data

Acreage of Property 1.07 acre
Cadastral Reference S18, T5N, R16E; S33, T65N, R42W
USGS Quadrangle Peru, NE. - MO (7.5 Minute Series, 1966)
UTM References zone 15 easting 274960 northing 4475220

___ See continuation sheet

Verbal Boundary Description

The nominated property is a narrow, rectangular shaped parcel measuring 1904 feet by 24.5 feet, which is centered on the UTM point listed above. Included within this rectangular parcel are the bridge's superstructure, substructure, floor system, and approach spans.

___ See continuation sheet

Boundary Justification

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 this bridge.

___ See continuation sheet

11. Form Prepared By

| | | | |
|-----------------|--|-----------|--------------|
| name/title | Demian Hess, Research Historian | date | 30 June 1991 |
| organization | Fraserdesign and Hess, Roise and Company | telephone | 303-669-7969 |
| street & number | 1269 Cleveland Avenue | state | Colorado |
| city or town | Loveland | zip code | 80537 |

5/15/92

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Highway Bridges in Nebraska MPS

NEBRASKA
Section number _____ Page _____

Highway Bridges in Nebraska MPS

NEBRASKA

Date Listed

| | | |
|----------|-----------------------------|----------------------------|
| 92000746 | Main Street Bridge | 6/29/92 |
| 92000762 | Mission Creek Bridge | 6/29/92 |
| 92000724 | Neligh Mill Bridge | 6/29/92 |
| 92000716 | Nine Bridges Bridge | 6/29/92 |
| 92000704 | North Loup Bridge | Substantive Review 6/29/92 |
| 92000727 | North Omaha Creek Bridge | 6/29/92 |
| 92000739 | Olive Branch Bridge | 6/29/92 |
| 92000755 | Plattsmouth Bridge | Substantive Review |
| 92000769 | Ponca Creek Bridge | 6/29/92 |
| 92000712 | Prairie Dog Creek Bridge | 6/29/92 |
| 92000743 | Rattlesnake Creek Bridge | 6/29/92 |
| 92000726 | Red Cloud Bridge | 6/29/92 |
| 92000765 | Republican River Bridge | 6/29/92 |
| 92000709 | Roscoe State Aid Bridge | 6/29/92 |
| 92000718 | Rulo Bridge | 6/29/92 * |
| 92000741 | Saddle Creek Underpass | 6/29/92 |
| 92000713 | Sappa Creek Bridge | 6/29/92 |
| 92000740 | Sargent Bridge | Substantive Review 6/29/92 |
| 92000742 | South Omaha Bridge | 6/29/92 |
| 92000717 | Stewart Bridge | 6/29/92 |
| 92000705 | Sutherland State Aid Bridge | Substantive Review 6/29/92 |
| 92000767 | Sweetwater Mill Bridge | 6/29/92 |
| 92000766 | Tekamah City Bridge | 6/29/92 |
| 92000711 | Turkey Creek Bridge | 6/29/92 |
| 92000750 | Twin Bridge | 6/29/92 |
| 92000770 | Verdigris Creek Bridge | 6/29/92 |
| 92000706 | Willow Creek Bridge | Substantive Review 6/29/92 |
| 92000738 | Wolf Creek Bridge | 6/29/92 |
| 92000736 | Wyoming Bridge | 6/29/92 |
| 92000772 | York Subway | 6/29/92 |

*9200718 Rulo Bridge - Delisted 9/21/92 Relisted 1/4/93

| | | |
|----------|---------------------|--------------------------------|
| 93000536 | Brownville Bridge | 6/17/93 |
| 93000537 | Meridian Bridge | 6/17/93 |
| 93000560 | 36th Street Viaduct | 6/17/93 DOE/OWNER OBJECTION |
| 93000559 | O Street Viaduct | 6/17/93 DOE/OWNER OBJECTION |
| 93000558 | 10th Street Viaduct | 6/17/93 DOE/OWNER OBJECTION |

Entered in the National Register 6/17/93
Determined Eligible
Determined Eligible
Determined Eligible

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Brownville Bridge

MULTIPLE NAME: Highway Bridges in Nebraska MPS

STATE & COUNTY: NEBRASKA, Nemaha

DATE RECEIVED: 5/18/93 DATE OF PENDING LIST: 6/01/93
DATE OF 16TH DAY: 6/17/93 DATE OF 45TH DAY: 7/02/93
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 93000536

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 6/17/93 DATE Entered in the
National Register

ABSTRACT/SUMMARY COMMENTS:

RECOM./CRITERIA _____
REVIEWER _____
DISCIPLINE _____
DATE _____

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

CLASSIFICATION

count resource type

STATE/FEDERAL AGENCY CERTIFICATION

FUNCTION

historic current

DESCRIPTION

architectural classification
 materials
 descriptive text

SIGNIFICANCE

Period Areas of Significance--Check and justify below

Specific dates Builder/Architect
Statement of Significance (in one paragraph)

summary paragraph
 completeness
 clarity
 applicable criteria
 justification of areas checked
 relating significance to the resource
 context
 relationship of integrity to significance
 justification of exception
 other

BIBLIOGRAPHY

GEOGRAPHICAL DATA

acreage verbal boundary description
 UTM's boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

sketch maps USGS maps photographs presentation

OTHER COMMENTS

Questions concerning this nomination may be directed to

_____ Phone _____

Signed _____ Date _____



Brownville Bridge - NESHBS No. NH00-85

Brownville, NEMANA COUNTY, NEBRASKA

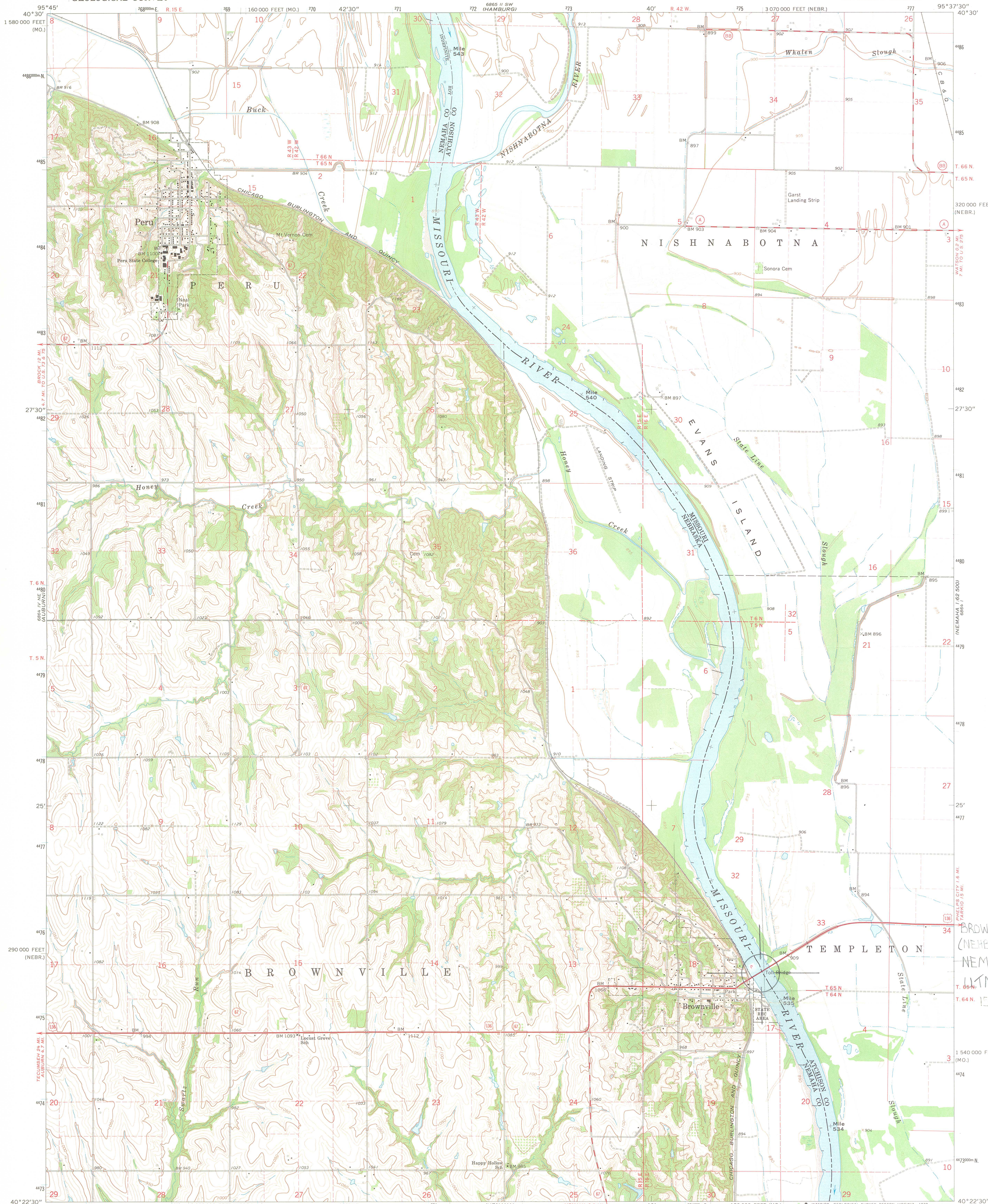
Jeffrey A. Hess

19 July 1989

original negative located at NESHBS

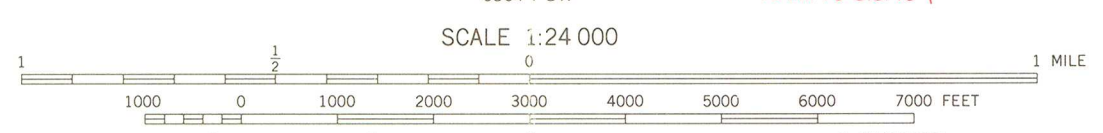
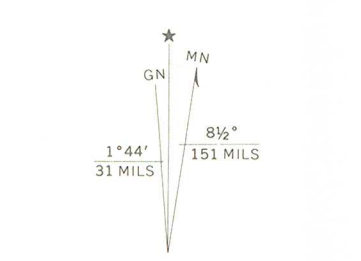
view: looking Northwest

PHOTO # 1 OF 1



BROWNVILLE BRIDGE
(NEBRASKA NH00-85)
NEMAH COUNTY
UTM:
T. 64 N. 15. 271960.4475-20

Mapped, edited, and published by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin Control by USGS and USC&GS
Topography by photogrammetric methods from aerial photographs taken 1965 and planetable surveys 1966
Polyconic projection. 1927 North American datum 10,000-foot grids based on Nebraska coordinate system, south zone and Missouri coordinate system, west zone 1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked



CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 AND THE DIVISION OF RESEARCH AND TECHNICAL INFORMATION, MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI 65401 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION

| | |
|-------------|-----------------|
| Heavy-duty | Light-duty |
| Medium-duty | Unimproved dirt |
| U.S. Route | State Route |

PERU, NEBR.-MO.
NW/4 NEMAH 15' QUADRANGLE
N4022.5-W9537.5/7.5
1966
AMS 6864 | NW-SERIES V879



NEBRASKA STATE HISTORICAL SOCIETY
1500 R STREET, P.O. BOX 82554, LINCOLN, NE 68501-2554
(402) 471-3270 Fax: (402) 471-3100 Museum Fax: (402) 471-3314

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MAY 18 1993

NATIONAL
REGISTER

May 10, 1993

Ms. Carol Shull
Chief of Registration
National Register of Historic Places
1100 L Street, NW
Washington, DC 20240

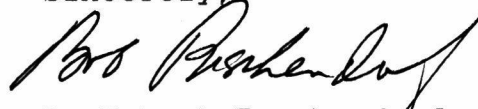
RE: Brownville Bridge
NeHBS # NH00-085
Nemaha Co., Nebraska; Atchison Co., Missouri

Dear Ms. Shull:

Please find enclosed the National Register of Historic Places nomination form for the above property. The property is being nominated under the Multiple Property Documentation Form, Highway Bridges in Nebraska, 1870-1942, which was submitted May 8, 1992. This nomination has met all notification and other requirements as established in 36 CFR Part 60.

If you have any questions regarding the nomination, please let me know.

Sincerely,



L. Robert Puschendorf
Deputy State Historic
Preservation Officer

Enclosure
NH00-085