

United States Department of the Interior
National Park Service

For NPS use only

National Register of Historic Places
Inventory—Nomination Form

received

date entered

See Instructions in *How to Complete National Register Forms*
Type all entries—complete applicable sections

1. Name

historic Vermillion Creek Tributary Stone Arch Bridge

and/or common Vermillion Creek Tributary Stone Arch Bridge

2. Location

street & number Five miles south and one mile east of Onaga

n/a not for publication

city, town Onaga vicinity of

state Kansas

code 20

county Pottawatomie

code 149

3. Classification

Category	Ownership	Status	Present Use
<input type="checkbox"/> district	<input checked="" type="checkbox"/> public	<input checked="" type="checkbox"/> occupied	<input type="checkbox"/> agriculture
<input type="checkbox"/> building(s)	<input type="checkbox"/> private	<input type="checkbox"/> unoccupied	<input type="checkbox"/> commercial
<input checked="" type="checkbox"/> structure	<input type="checkbox"/> both	<input type="checkbox"/> work in progress	<input type="checkbox"/> educational
<input type="checkbox"/> site	Public Acquisition	Accessible	<input type="checkbox"/> entertainment
<input type="checkbox"/> object	<input type="checkbox"/> in process	<input type="checkbox"/> yes: restricted	<input type="checkbox"/> government
	<input type="checkbox"/> being considered	<input checked="" type="checkbox"/> yes: unrestricted	<input type="checkbox"/> industrial
	n/a	<input type="checkbox"/> no	<input checked="" type="checkbox"/> transportation
			<input type="checkbox"/> other:

4. Owner of Property

name Pottawatomie County

street & number Pottawatomie County Courthouse

city, town Wamego n/a vicinity of

state Kansas

5. Location of Legal Description

courthouse, registry of deeds, etc. Register of Deeds

street & number Pottawatomie County Courthouse

city, town Wamego

state Kansas

6. Representation in Existing Surveys

Survey of Historic Bridges--
title Kansas Dept. of Transportation has this property been determined eligible? yes no

date 1980-83

federal state county local

depository for survey records Kansas State Historical Society

city, town Topeka

state Kansas

7. Description

Condition excellent good fair deteriorated ruins unexposed**Check one** unaltered altered**Check one** original site moved date _____

Describe the present and original (if known) physical appearance

The Vermillion Creek Tributary bridge is located five miles south and one mile east of Onaga. The single span stone arch is 44 feet long and 15 feet wide curb to curb. The deck lies 17 feet above the water level.

The stone arch springs from and is disposed between two stone abutments of native limestone. The stone spandrel walls project above the roadway to serve as roadway curbing as well as retain the earthen fill which loads the arch. This fill allows for even distribution of the live loads and helps to strengthen the arch.

8. Significance

Period	Areas of Significance—Check and justify below			
<input type="checkbox"/> prehistoric	<input type="checkbox"/> archeology-prehistoric	<input type="checkbox"/> community planning	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> archeology-historic	<input type="checkbox"/> conservation	<input type="checkbox"/> law	<input type="checkbox"/> science
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> literature	<input type="checkbox"/> sculpture
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> architecture	<input type="checkbox"/> education	<input type="checkbox"/> military	<input type="checkbox"/> social/
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> art	<input checked="" type="checkbox"/> engineering	<input type="checkbox"/> music	<input type="checkbox"/> humanitarian
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> commerce	<input type="checkbox"/> exploration/settlement	<input type="checkbox"/> philosophy	<input type="checkbox"/> theater
<input type="checkbox"/> 1900-	<input type="checkbox"/> communications	<input type="checkbox"/> industry	<input type="checkbox"/> politics/government	<input checked="" type="checkbox"/> transportation
		<input type="checkbox"/> invention		<input type="checkbox"/> other (specify)

Specific dates Unknown **Builder/Architect** Unknown

Statement of Significance (in one paragraph)

The Vermillion Creek Tributary bridge southeast of Onaga retains its integrity of location, design, setting, materials, feeling and association. It embodies the distinctive characteristics of a type and method of construction no longer being used namely the construction of a roadway supported by a stone arch which is loaded by an earthen fill, which, in turn, is retained by stone spandrel walls. This bridge may yield information important to the history of engineering.

The stone arch bridge was popular in Kansas because the stone and construction expertise was locally available. Although somewhat more expensive, initially, to construct they were very strong and long lived. The use of local stone and labor makes each example unique and particularly suited to the Kansas environment.

THIS STATEMENT REFLECTS CURRENT KNOWLEDGE AND IS SUBJECT TO CHANGE.

9. Major Bibliographical References

Charles S. Whitney, Bridges: Their Art, Science and Evolution, New York: Greenwich House, 1983.

10. Geographical Data

Acres of nominated property Less than one acre

Quadrangle name Onaga, Kansas

Quadrangle scale 1:24,000

UTM References

A	<input type="text" value="1"/> <input type="text" value="4"/>	<input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="5"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="0"/>	<input type="text" value="4"/> <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	B	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Zone	Easting	Northing		Zone	Easting	Northing
C	<input type="text"/>	<input type="text"/>	<input type="text"/>	D	<input type="text"/>	<input type="text"/>	<input type="text"/>
E	<input type="text"/>	<input type="text"/>	<input type="text"/>	F	<input type="text"/>	<input type="text"/>	<input type="text"/>
G	<input type="text"/>	<input type="text"/>	<input type="text"/>	H	<input type="text"/>	<input type="text"/>	<input type="text"/>

Verbal boundary description and justification That property on and over which...
the bridge is built including bridge structure, abutments and piers.
SW $\frac{1}{4}$ S24 T7S R11E.

List all states and counties for properties overlapping state or county boundaries

state n/a code county code

state code county code

11. Form Prepared By

name/title Larry Jochims, Research Historian and Michael Snell

organization Kansas State Historical Society

date 2/20/85

street & number 120 West Tenth

telephone (913) 296-2973

city or town Topeka

state Kansas

12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

national state local

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.

State Historic Preservation Officer signature

title Executive Director, Kansas State Historical Society

date 3/4/85

For NPS use only

I hereby certify that this property is included in the National Register

date

Keeper of the National Register

Attest:

date

Chief of Registration

SITE NO. 75-AR-1

KANSAS DEPARTMENT OF TRANSPORTATION

HISTORIC BRIDGE INVENTORY

County Pottawatomie Structural Type MAR Date Constructed 1930

Road System State _____ Planning Dept Designation MAR
County _____
Off-System Secondary Rds Designation B11
Urban _____

Location-Route 55, 1E of Onaga Mile Post _____

Feature Crossed Stream Legal Description SW 1/4 S 24 T 25 R 11E

Bridge Number _____ Number of spans 1

Span identity and description _____
20 ft. span 18' wide

Truss type:

Historical Data:
Date Constructed _____ Erector Contractor _____

Manufacturer _____

Located in Historical District? or near Historical Site? _____

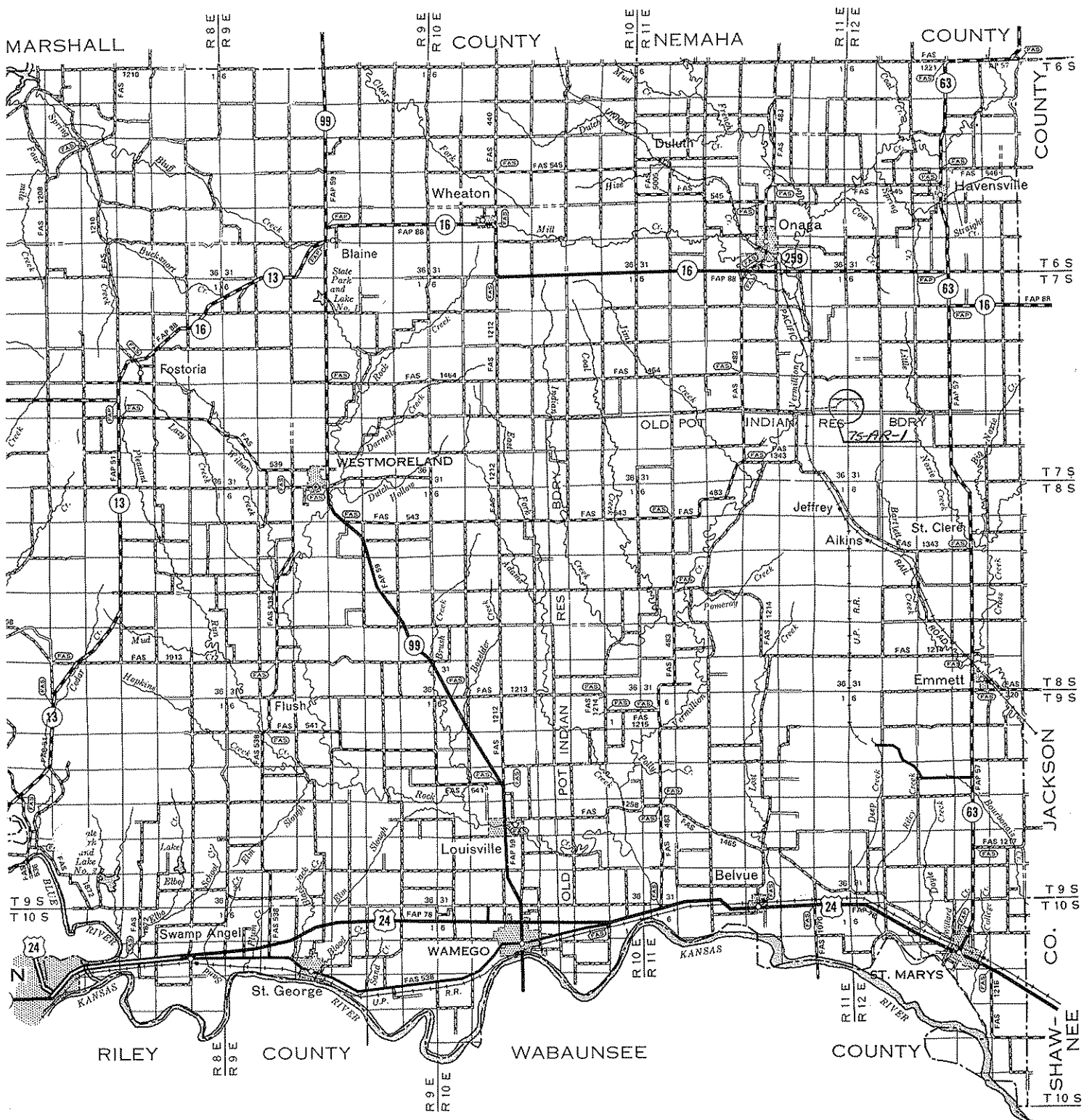
Original Use _____ Present Use _____

Photos Taken? Date 8-3-82

Current Condition: Excellent _____ Good Fair Deteriorated _____
Altered _____ Demolished _____

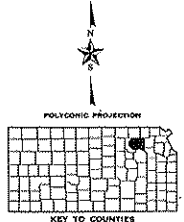
Field Observation Notes:

Inventory Completed by _____ Date _____



LEGEND

- ROAD SYSTEM DESIGNATION**
- FEDERAL-AID INTERSTATE HIGHWAY SYSTEM
 - FEDERAL-AID PRIMARY HIGHWAY SYSTEM
 - FEDERAL-AID SECONDARY HIGHWAY SYSTEM
 - INTERSTATE NUMBERED HIGHWAY
 - U.S. NUMBERED HIGHWAY
 - STATE HIGHWAY SYSTEM OR STATE NUMBERED HIGHWAY
 - END OF DESIGNATED SYSTEM OR MARKED ROUTE
- KEY TO COUNTRIES**
- FA SYSTEMS REVISED TO MAY 1, 1979



**GENERAL HIGHWAY MAP
POTTAWATOMIE COUNTY
KANSAS**

PREPARED BY THE
KANSAS DEPARTMENT OF TRANSPORTATION
PLANNING AND DEVELOPMENT DEPARTMENT
IN COOPERATION WITH THE
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

