

United States Department of the Interior  
National Park Service



NATIONAL REGISTER OF HISTORIC PLACES  
REGISTRATION FORM

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1. Name of Property

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Historic Name: Sylamore Creek Bridge

Other Name/Site Number: ST 0252

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2. Location

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Street & Number: County Road 283, just off Hwy. 14 over Sylamore Creek

Not for Publication: NA

City/Town: Allison

Vicinity: X

State: AR County: Stone Code: AR137 Zip Code: 72560

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3. Classification

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Ownership of Property: Public-Local

Category of Property: Structure (Bridge)

Number of Resources within Property:

Contributing	Noncontributing
<u>          </u>	<u>          </u> buildings
<u>          </u>	<u>          </u> sites
<u>  1  </u>	<u>          </u> structures
<u>          </u>	<u>          </u> objects
<u>  1  </u>	<u>  0  </u> Total

Number of contributing resources previously listed in the National Register: N/A

Name of related multiple property listing: Historic Bridges of Arkansas

Sylamore Creek Bridge  
Name of Property

Stone County, Arkansas  
County and State

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**4. State/Federal Agency Certification**

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As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this X 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 X meets \_\_\_\_\_ does not meet the National Register Criteria. \_\_\_\_\_ See continuation sheet.

  
Signature of certifying official

10-7-99  
Date

Arkansas Historic Preservation Program  
State or Federal agency and bureau

In my opinion, the property \_\_\_\_\_ meets \_\_\_\_\_ does not meet the National Register criteria. \_\_\_\_\_ See continuation sheet.

Signature of commenting or other official

\_\_\_\_\_  
Date

State or Federal agency and bureau

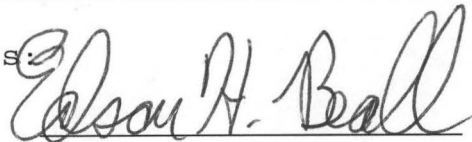
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**5. National Park Service Certification**

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

 11-18-99

  
Signature of Keeper Date  
of Action

Sylamore Creek Bridge  
Name of Property

Stone County, Arkansas  
County and State

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**6. Function or Use**

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Historic: Transportation Sub: Road Related (Vehicular)

Current : Transportation Sub: Road Related (Vehicular)

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**7. Description**

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Architectural Classification: Wire-Cable Suspension Bridge

Materials: foundation Concrete/Stone roof N/A  
walls N/A other Steel Beams, Anchors, and Trusses/Wood Deck  
and Rails

Describe present and historic physical appearance:

**Description**

The Sylamore Creek Bridge is designed in the wire-cable suspension form using a set of steel cables draped over two steel towers on concrete piers. These steel cables are anchored in concrete abutments buried in the ground on either end of the bridge. Each of the four main cables contains six entwined, individually stranded cables. From these double cables are suspended vertical steel-rod tension members that support a steel sub-structure. This steel I-beam stringer system is used for stiffening and is laterally braced with diagonal steel beams. Timber floor beams are laid perpendicularly across the steel stringers and support a timber decking.

The towers are constructed of two vertical steel I-beams that are pin-connected at their base to a bearing block that is anchored in the top of the concrete pier. This pin-connection allows the towers to pivot from the base under live-load conditions. Each tower is laterally braced with a series of struts and diagonal crossed members built-up from riveted angles and batten plates. Timber posts and planks make up the handrail. The bridge is in excellent condition and is owned and maintained by the county.

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**8. Statement of Significance**

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

Applicable National Register Criteria: C

Criteria Considerations (Exceptions): N/A

Areas of Significance: Engineering

\_\_\_\_\_

Sylamore Creek Bridge  
Name of Property

Stone County, Arkansas  
County and State

Period(s) of Significance: 1945

Significant Dates: 1945

Significant Person(s): N/A

Cultural Affiliation: N/A

Architect/Builder: N. B. Garver, Engineer

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

### **Significance**

Constructed in 1945, the Sylamore Creek Bridge is associated with the **World War II Era** historic context and is of the wire-cable suspension type. The Arkansas Highway and Transportation Department in 1942 as job #5243 developed plans and specifications for the Sylamore Creek Bridge. Mr. N. B. Garver was the principal engineer for bridge design at the time and \$15,000 was allocated for construction which would be done in-house by AHTD crews. The Arkansas Foundry Company in Little Rock did the steel fabrication for the towers, anchorage and floor assemblies. When completed in 1945, the Sylamore Creek Bridge stretched 202 feet in length and was 19 feet 6 inches in width with an 11-foot clear roadway.

The Sylamore Creek Bridge is one of two surviving wire-cable suspension bridges documented in Arkansas. The other surviving bridge is the Beaver Bridge in Carroll County. A third wire-cable suspension bridge, the Winkley Bridge, was destroyed in the early 1990s. Given its excellent and intact condition, the Sylamore Creek Bridge maintains the integrity of its historic period and is thus locally eligible for listing on the National Register of Historic Places under Criterion C.

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### **9. Major Bibliographical References**

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See "Historic Bridges of Arkansas" MPS Nomination

Information supplied by the Arkansas Highway and Transportation Department

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 # \_\_\_\_\_

Sylamore Creek Bridge  
Name of Property

Stone County, Arkansas  
County and State

Primary Location of Additional Data:

- ☒ State historic preservation office  
☐ Other state agency  
☐ Federal agency  
☐ Local government  
☐ University  
☐ Other -- Specify Repository: \_\_\_\_\_

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### 10. Geographical Data

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Acreage of Property: Less than one

UTM References: Zone Easting Northing      Zone Easting Northing

A	<u>15</u>	<u>579240</u>	<u>3976995</u>	B	<u>    </u>	<u>    </u>	<u>    </u>
C	<u>    </u>	<u>    </u>	<u>    </u>	D	<u>    </u>	<u>    </u>	<u>    </u>

Verbal Boundary Description: Beginning at a point approximately 5 feet southeast of the southeast edge of County Road 283 proceed northwest parallel to the bridge approximately 320 feet to a point at the end of the eastern-most of the two northwest anchorages, thence southwest approximately 30 feet to a point at the end of the western-most of the two northwest anchorages, thence southeast parallel to the bridge approximately 320 to a point at the end of the western-most of the southeast anchorages, thence northeast approximately 30 feet to the point of origin.

Boundary Justification: This boundary includes all the property historically associated with this resource.

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### 11. Form Prepared By

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Name/Title: Randy Jeffery, Tax/Technical Coordinator

Organization: Arkansas Historic Preservation Program Date: 10/06/99

Street & Number: 1500 Tower Bldg., 323 Center St. Telephone: (501) 324-9880  
City or Town: Little Rock State: AR ZIP: 72201

UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES  
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY Sylamore Creek Bridge  
NAME:

MULTIPLE Historic Bridges of Arkansas MPS  
NAME:

STATE & COUNTY: ARKANSAS, Stone

DATE RECEIVED: 10/14/99 DATE OF PENDING LIST: 10/27/99  
DATE OF 16TH DAY: 11/12/99 DATE OF 45TH DAY: 11/28/99  
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 99001353

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 11.18.99 DATE

ABSTRACT/SUMMARY COMMENTS:

Entered in the  
National Register

RECOM./CRITERIA \_\_\_\_\_

REVIEWER \_\_\_\_\_ DISCIPLINE \_\_\_\_\_

TELEPHONE \_\_\_\_\_ DATE \_\_\_\_\_

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





SYLAMORE CREEK BRIDGE

STONE CO., AR

AMY BENNETT

MAY 1999

AHPD

NORTH EAST ELEVATION, ~~LOOKING~~ SOUTHWEST





SYLAMORE CANYON BRIDGE

STONE CO., AR

Amy Bennett

MAY 1999

AHPP

SE ABUTMENT LOOKING SW





SYLAMORE CREEK BRIDGE

STONE CO., AR

AMY BENNETT

MAY 1999

AHPP

DE ELEVATION LOOKING NW







SHAMORE CANYON BRIDGE

STONE CO., AR

Amy Bennett

MAY 1999

ATOP

SEABUTMENT LOOKING NW



SYLAMORE CANTON BRIDGE

STONE CO., AR

Amy Bennett

May 1999

AHPP

CLOSE-UP OF STEEL ROD TENSION MEMBER





SQUAMORE CREEK BRIDGE

STONE CO., AR

Amy Bennett

MAY 1999

AHPP

CLOSE UP OF TOWER PIN CONNECTION





SYRANORE CREEK BRIDGE  
STONE CO., AR

Dany Bennett  
MAY 1999

AHPP

CLOSE UP OF STEEL STRINGERS, WOODEN FLOOR  
JOISTS + RAILS





SYLMORE CREEK BRIDGE

STONE CO., AR

Amy Bennett

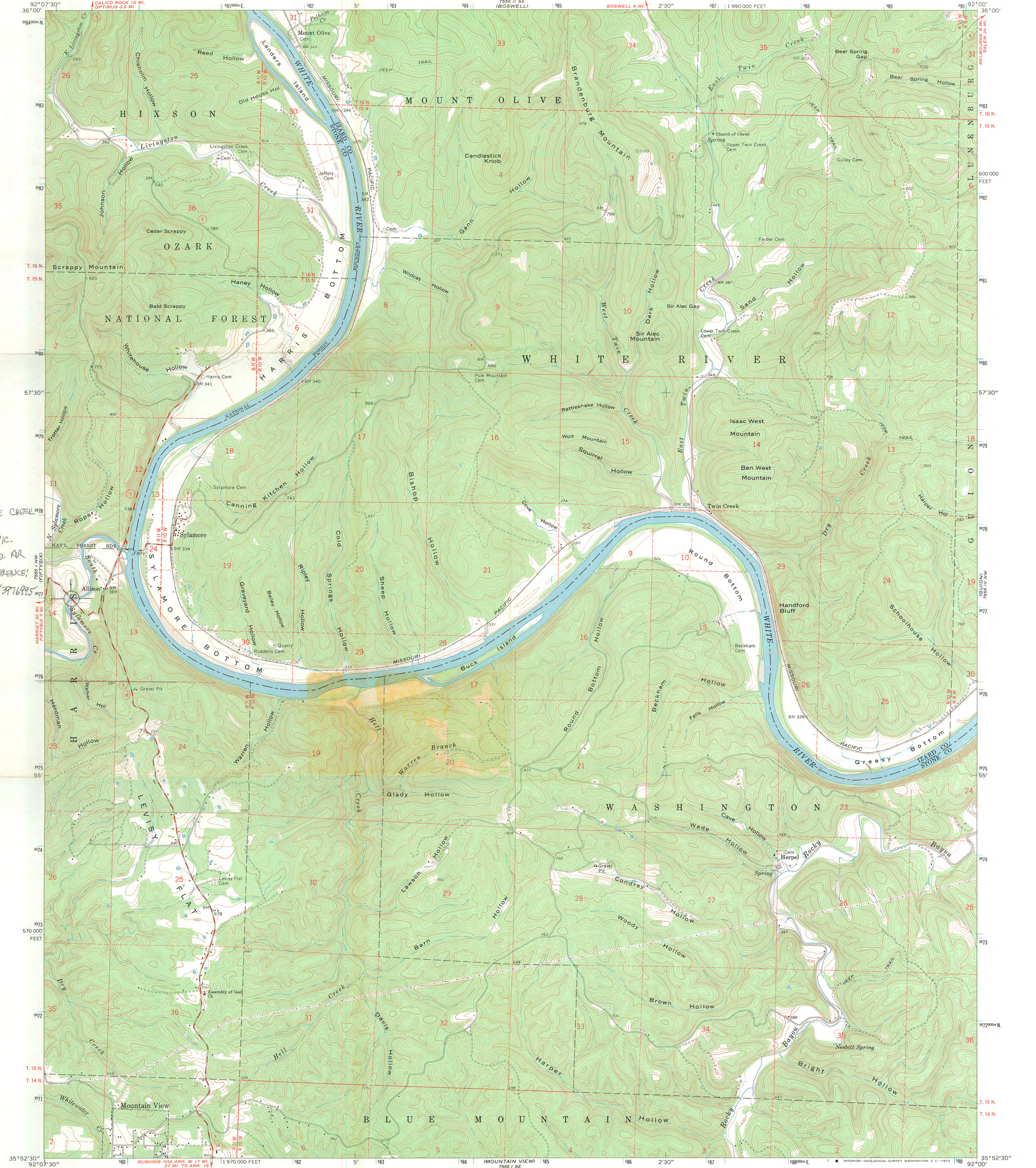
MAY 1999

AHP

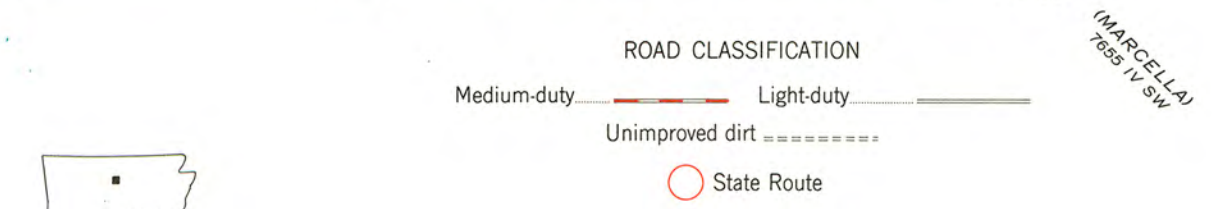
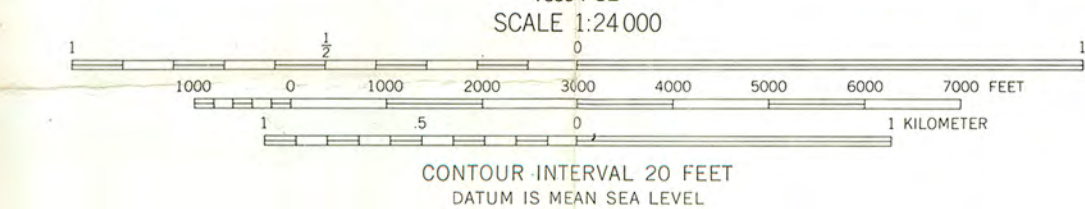
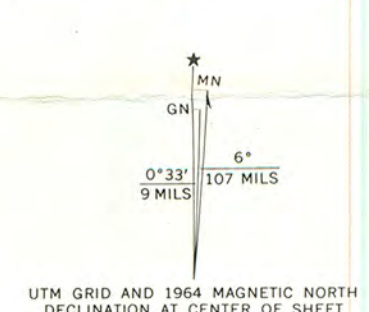
CLOSE UP OF CABLE ANCHORAGE



SYLAMORE CREEK  
BRIDGE  
ALLISON VIC.  
STONE CO. AR  
UTM REFERENCE:  
15/579240/3916985



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial  
photographs taken 1959. Field checked 1964.  
Polyconic projection. 1927 North American datum.  
10,000-foot grid based on Arkansas coordinate system, north 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.



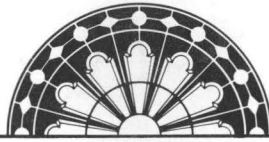
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242  
AND BY THE ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72201  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SYLAMORE, ARK.  
N3552.5—W9200/7.5

1964

AMS 7555 1 NE—SERIES V884





ARKANSAS  
HISTORIC  
PRESERVATION  
PROGRAM

October 7, 1999

Carol D. Shull  
Chief of Registration  
United States Department of the Interior  
National Register of Historic Places  
National Park Service  
800 North Capitol Street, Suite 250  
Washington, D. C. 20002

RE: National Register Nomination for the Sylamore Creek Bridge, Stone County, Arkansas

Dear Carol:

We are enclosing for your review the above referenced document. The Arkansas Historic Preservation Program has complied with all applicable nominating procedures and notification requirements in the nomination process.

Thank you for your consideration in this matter.

Sincerely,

Cathy Slater  
State Historic Preservation Officer

Enclosures

