

United States Department of the Interior  
National Park Service

NR LISTED  
NOV 18 1999  
AHPP

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Not for Publication: NA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	
_____	_____	buildings
_____	_____	sites
<u>1</u>	_____	structures
_____	_____	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.

*Cathryn H. Sater*  
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): \_\_\_\_\_

\_\_\_\_\_  
Signature of Keeper

\_\_\_\_\_  
Date of Action

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**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 ~~intwined, 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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Acreeage 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 20 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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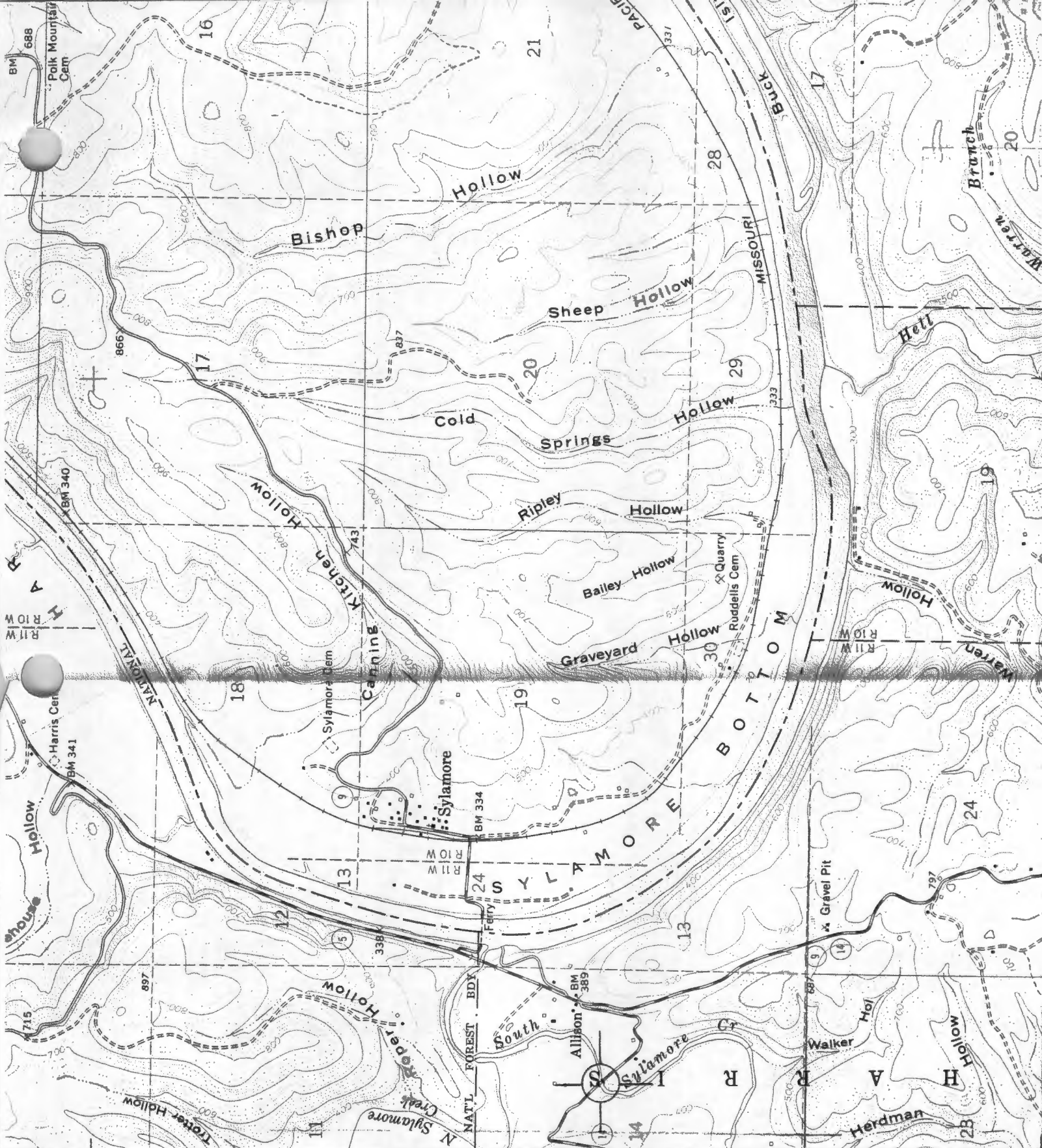
**11. Form Prepared By**

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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



57'30"

3970

SYLAMORE CABELL 3978

BRIDGE

ALLISON VLE.

TOUPE CO. AR

ATM REFERENCE:

5/579240/397699.5 3977

7555 1 NW (FIFTSIX)

HARRIET 30 MI. FIFTSIX 7 MI.

3976

3975

55'



SYLAMORE CREEK BRIDGE

STONE CO., AR

AMY BENNETT

MAY 1999

AHPP

NORTH EAST ELEVATION, LOOKING SOUTHWEST





SYLANDRE CARTER BRIDGE

STONE CO., AR

Amy Bennett

May 1999

AHPP

SE ABUTMENT LOOKING SW



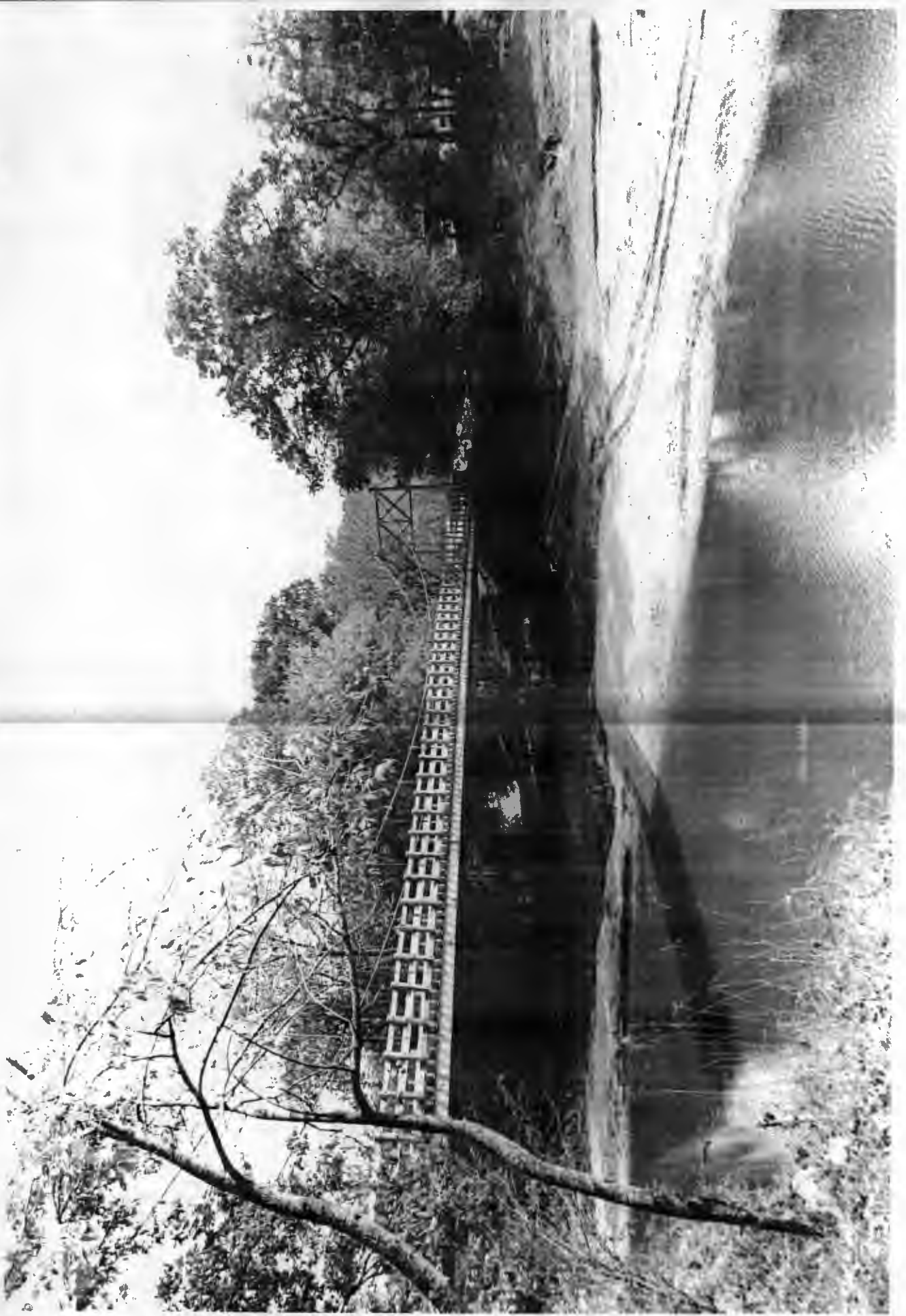
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Stout Co., AR

Amy Bennett

May 1999

ATPP

SEABUTMENT LOOKING DU



Sylanders Creek Bridges

Stowe Co., AR

Amy Bennett

May 1999

AHP

DE ELEVATION LOOKING NW



Sylvia Moore Central RAISGE

Storer Co., AR

Army Bonnet

Mary 1999

NHPP

CHASE - UP AT STAFF RD TENSION MEMBR





SQUADROVE COVER BALISE

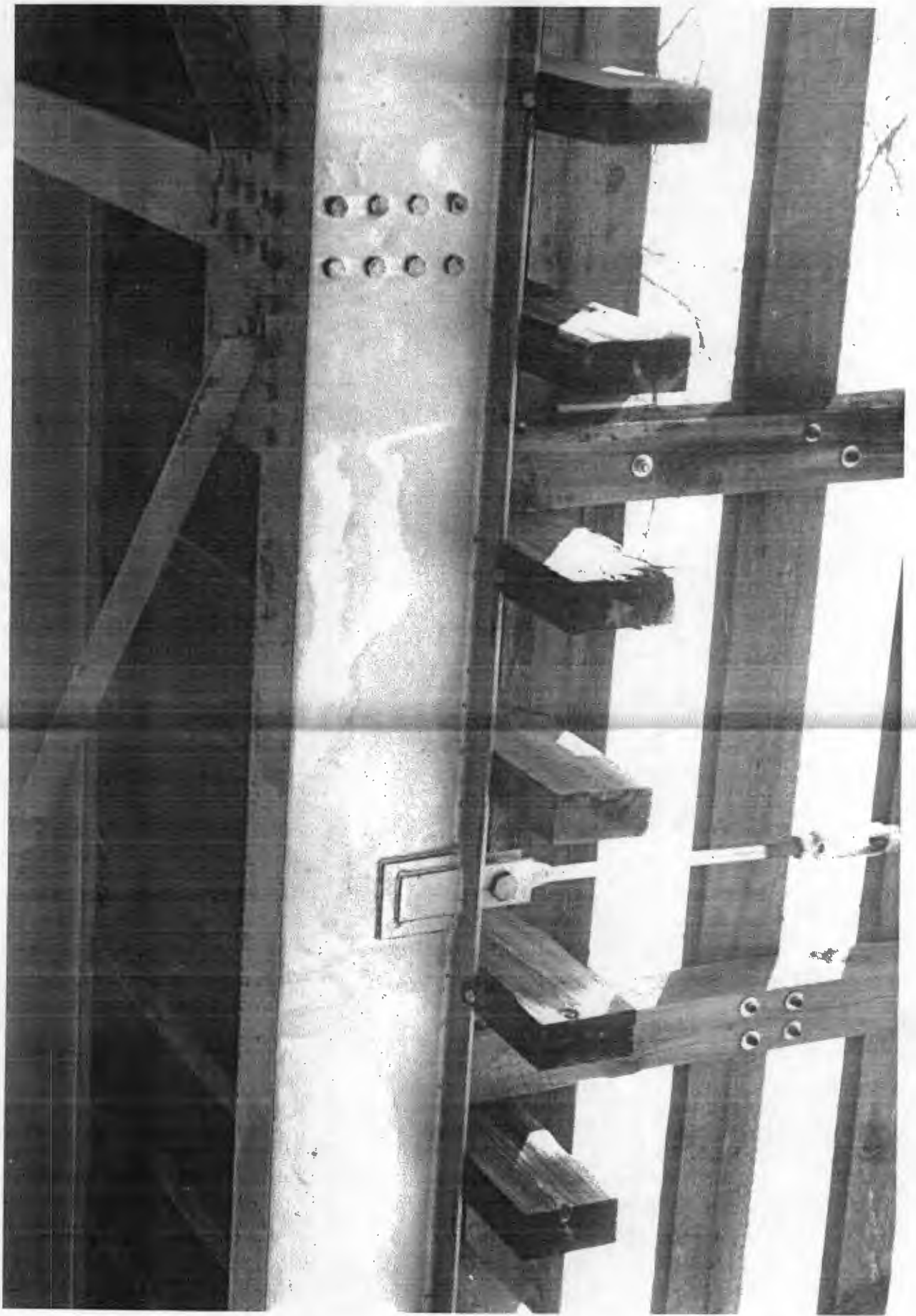
STOPS CO. 1 AR

ARMY BENNETT

MAY 1999

AHPD

CLOSE UP OF TOWER FIND CONNECTION



SYRANOAE CREEK BRIDGE  
STONE CO., AR

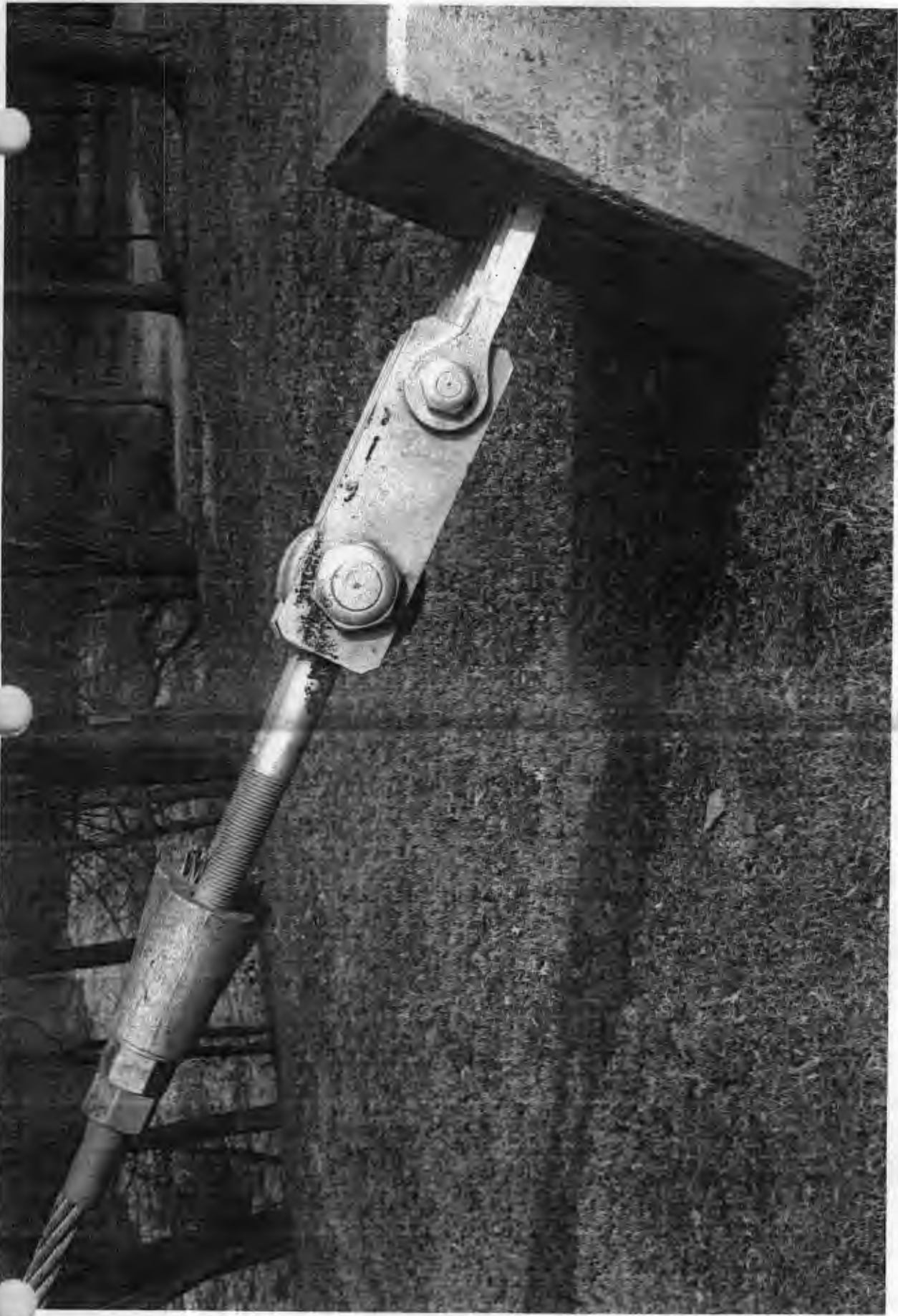
Amy Bennett

MAY 1999

AHP

CLOSE UP OF  
JOISTS + RAFTERS

STEEL STRINGS + WOODEN FLOOR



SYDENHORE CARRIAGE BARRAGE

STANTON CO., AR

AMY BARBOUR

MAY 1999

AHPP

CLOSE UP OF CARRIAGE ANCHORAGE