

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

FOR NPS USE ONLY	
RECEIVED	JUL 5 1979
DATE ENTERED	SEP 12 1979

SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC
Riverside Swinging Bridge
AND/OR COMMON

2 LOCATION

NE of Riverside
STREET & NUMBER
3/4 mile northeast of Riverside on Missouri Pacific
Railroad at the Trinity River.
CITY, TOWN

NOT FOR PUBLICATION
CONGRESSIONAL DISTRICT

VICINITY OF Riverside

2

STATE
Texas

CODE
48

COUNTY
Walker

CODE
471

3 CLASSIFICATION

(also in Trinity County)

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input type="checkbox"/> PUBLIC	<input checked="" type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE <input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input checked="" type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL <input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT <input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input checked="" type="checkbox"/> YES: RESTRICTED	<input type="checkbox"/> GOVERNMENT <input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY <input type="checkbox"/> OTHER:

4 OWNER OF PROPERTY

NAME
Missouri-Pacific Railroad
STREET & NUMBER

CITY, TOWN

Palestine

VICINITY OF

STATE

Texas

75801

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,
REGISTRY OF DEEDS, ETC.
Walker County Courthouse
STREET & NUMBER

CITY, TOWN

Huntsville

STATE

Texas

6 REPRESENTATION IN EXISTING SURVEYS

TITLE
Texas Historic Engineering Site Inventory

DATE

1976

FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR
SURVEY RECORDS

History of Engineering Program, C.E. Dept., Texas Tech University

CITY, TOWN

Lubbock

STATE

Texas

79409

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input checked="" type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input checked="" type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Riverside Swinging Bridge, a steel Pratt-Truss Bridge 150 feet in length, is designed with two connected spans resting on a massive concrete pillar in the middle. This parallel-chord railroad bridge is twenty feet high. The cantilever separating the two trusses projects from both sides as a 30 degree angle and rests directly over the concrete pillar. A cog on top of the pillar meshed with a gear on the underside of the bridge, allowing the structure to swing when a large spoked wheel at the center of the bridge was turned by hand. This mechanism allowed the structure to pivot and swing parallel to the Trinity River (which ran beneath it before a dam was built downstream to form Lake Livingston, which now lies under the bridge).

The abutments on each end of the bridge originally constructed with stone, were replaced with concrete abutments in 1925.

At the same time, the Swinging Bridge was welded on both ends to prevent movement of the structure as it was originally designed. The Riverside Swinging Bridge is currently being used to carry railroad (Missouri-Pacific) traffic across Lake Livingston on the well-traveled route between Trinity and Riverside.

The bridge is structurally sound. However, it is in dire need of being cleaned and painted to inhibit rust which has formed over the entire structure. In order to return the bridge to its original operating status some work on the gears would be necessary (cleaning, greasing, repairing) and the welds on each end would require removal.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Hale, Leon. "Laying to Rest the Sam Houston Syndrome." The Houston Post (July 20, 1975). p. 3B.

Schuder, Vernon, Walker County Historical Commission Chairman, Walker County Historical Commission, Riverside, Texas, to History of Engineering Program, Lubbock, Texas, March 3, 1976. Letter.

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY less than one

UTM REFERENCES

270-880 060

A	1	5	2	7	1	1	6	0	3	4	1	6	8	2	5
	ZONE		EASTING			NORTHING									
B	1	5	2	7	0	8	6	5	3	4	1	6	1	0	0
	ZONE		EASTING			NORTHING									
C															
	ZONE		EASTING			NORTHING									
D															
	ZONE		EASTING			NORTHING									

VERBAL BOUNDARY DESCRIPTION

Acreege covers only the Riverside Swinging Bridge.

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE

William L. Cumiford and Paul D. Hutchison, Research Assistants

ORGANIZATION

History of Engineering Program

DATE

11-5-76

STREET & NUMBER

P.O. Box 4089, Texas Tech University

TELEPHONE

(806) 742-3593

CITY OR TOWN

Lubbock

STATE

Texas 79409

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.

S.H.P.O.
FEDERAL REPRESENTATIVE SIGNATURE

Shull Hutchison

4-15-77

TITLE

DATE

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

Carol Shull

DATE

9-12-79

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

KEEPER OF THE NATIONAL REGISTER

ATTEST: *Beth Grosvenor*

DATE

9/4/79

KEEPER OF THE NATIONAL REGISTER

UNITED STATES DEPARTMENT OF THE INTERIOR
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CONTINUATION SHEET Bibliography ITEM NUMBER 9 PAGE 2

Telephone interview with Mrs. Vernon Schuder, Chairman, Walker County Historical Commission on March 2, 1976.

Telephone interview with Mrs. Vernon Schuder, Chairman, Walker County Historical Commission on November 5, 1976.

Property

Riverside Swinging Bridge

79003020

State

W. Walker, Trinity

Working Number

7.5.79.1608

TECHNICAL

Photos

Maps

6
1

CONTROL

pl
OK 7.9.79

Last swinging RR bridge in TX. Interesting that the swing capacity was included to accommodate steamboats - which never came. Only opened 2nd before welded in 1925, but pivoting features remain.

HISTORIAN

accept
B. Grosvenor
9/4/79

ARCHITECTURAL HISTORIAN

ARCHEOLOGIST

OTHER

HAER

Inventory _____

Review _____

REVIEW UNIT CHIEF

accept
B. Grosvenor
9/4/79

BRANCH CHIEF

KEEPER

National Register Write-up _____

Federal Register Entry _____

10-2-79

Send-back _____

Re-submit _____

Entered SEP 12 1979



Riverside Swinging Bridge
near Riverside, Walker Co., Texas

Trinity and Walker Counties

History of Engineering Program, 11-30-75

C. E. Dept., Texas Tech Univ., Lubbock

Looking north at the bridge which crosses
an inlet of Lake Livingston.

Photo #1

JUL 5 1979

SEP 12 1979



Riverside Swinging Bridge
near Riverside, Walker Co., Texas

Trinity and Walker Counties

History of Engineering Program, 11-30-75

Hist. of Engin. Progr., C. E. Dept.,

Texas Tech University, Lubbock, TX

Looking northeast along the tracks toward
the bridge.

Photo #2

JUL 5 1979

SEP 12 1979



Riverside Swinging Bridge
near Riverside, Walker Co., Texas

Trinity and Walker Counties

Hist. of Engineering Program, 11-30-75

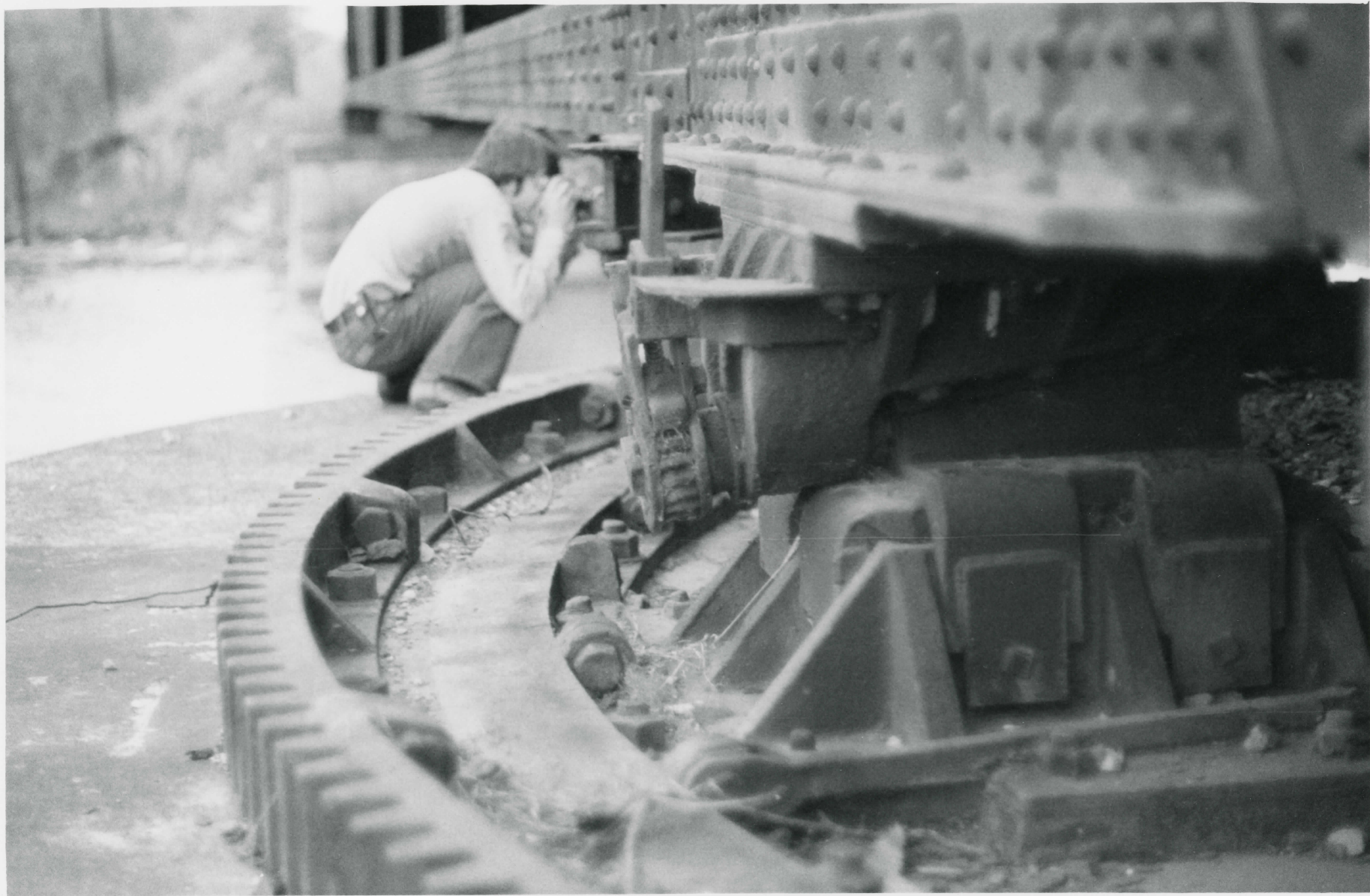
C. E. Dept., Texas Tech University, Lubbock

Looking northeast along the tracks toward the
the bridge.

Photo #3

JUL 5 1979

SEP 12 1979



Riverside Swinging Bridge
near Riverside, Walker Co., Texas

Trinity and Walker Counties

Hist. of Engineering Program, 11-30-75
C. E. Dept. Texas Tech Univ., Lubbock

Gear mechanism of top of concrete pillar
at center of bridge which allowed it to
pivot.

Photo #4

SEP 12 1979

JUL 5 1979



Riverside Swinging Bridge
near Riverside, Walker Co., Texas

Trinity and Walker Counties

Unknown, circa 1904

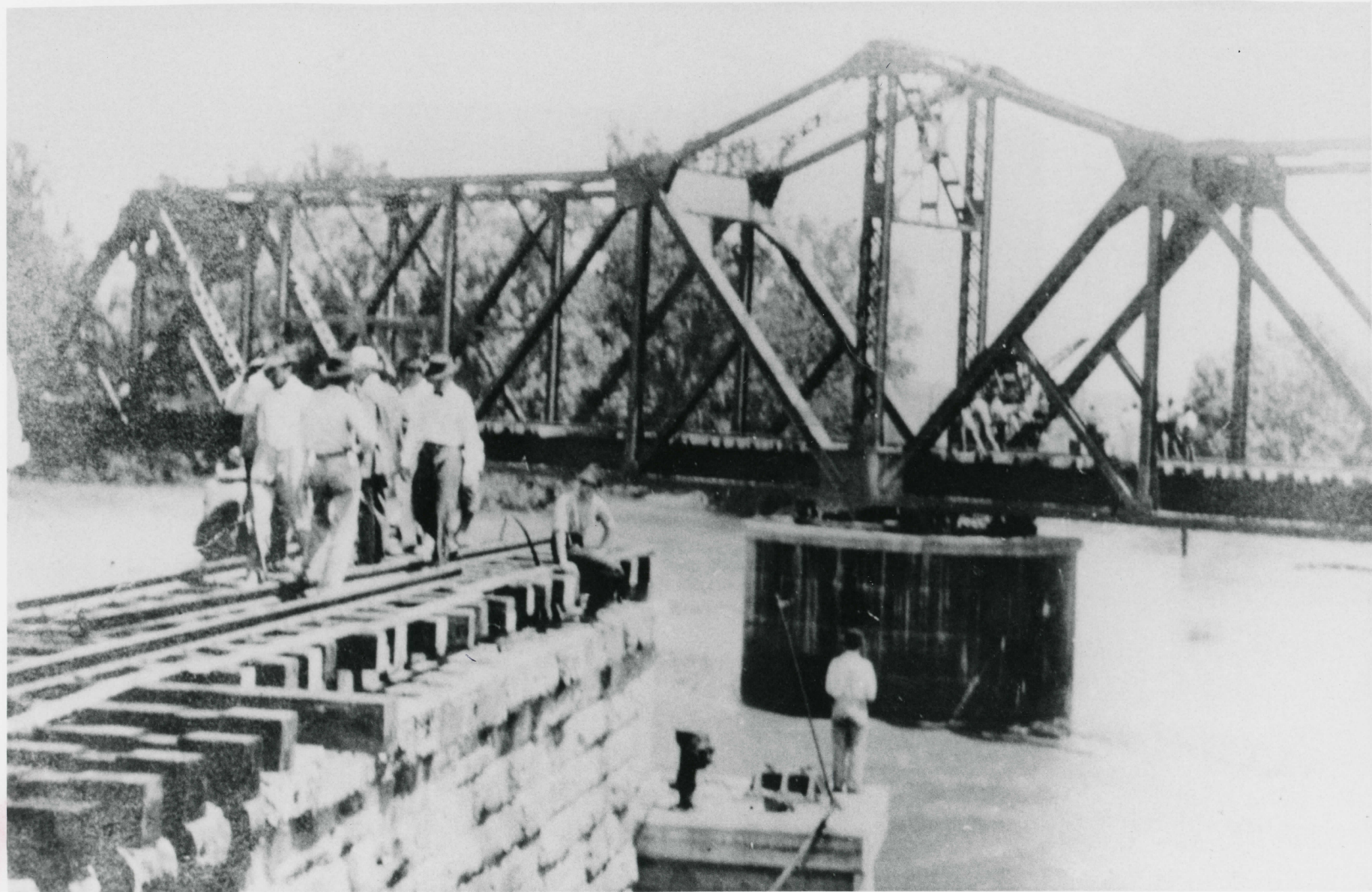
C. E. Dept., Texas Tech Univ., Lubbock

Looking east to a view of the bridge
midway through its construction.

Photo #5

SEP 12 1979

JUL 5 1979



Riverside Swinging Bridge
near Riverside, Walker Co., Texas

Trinity and Walker Counties

Unknown, circa 1925

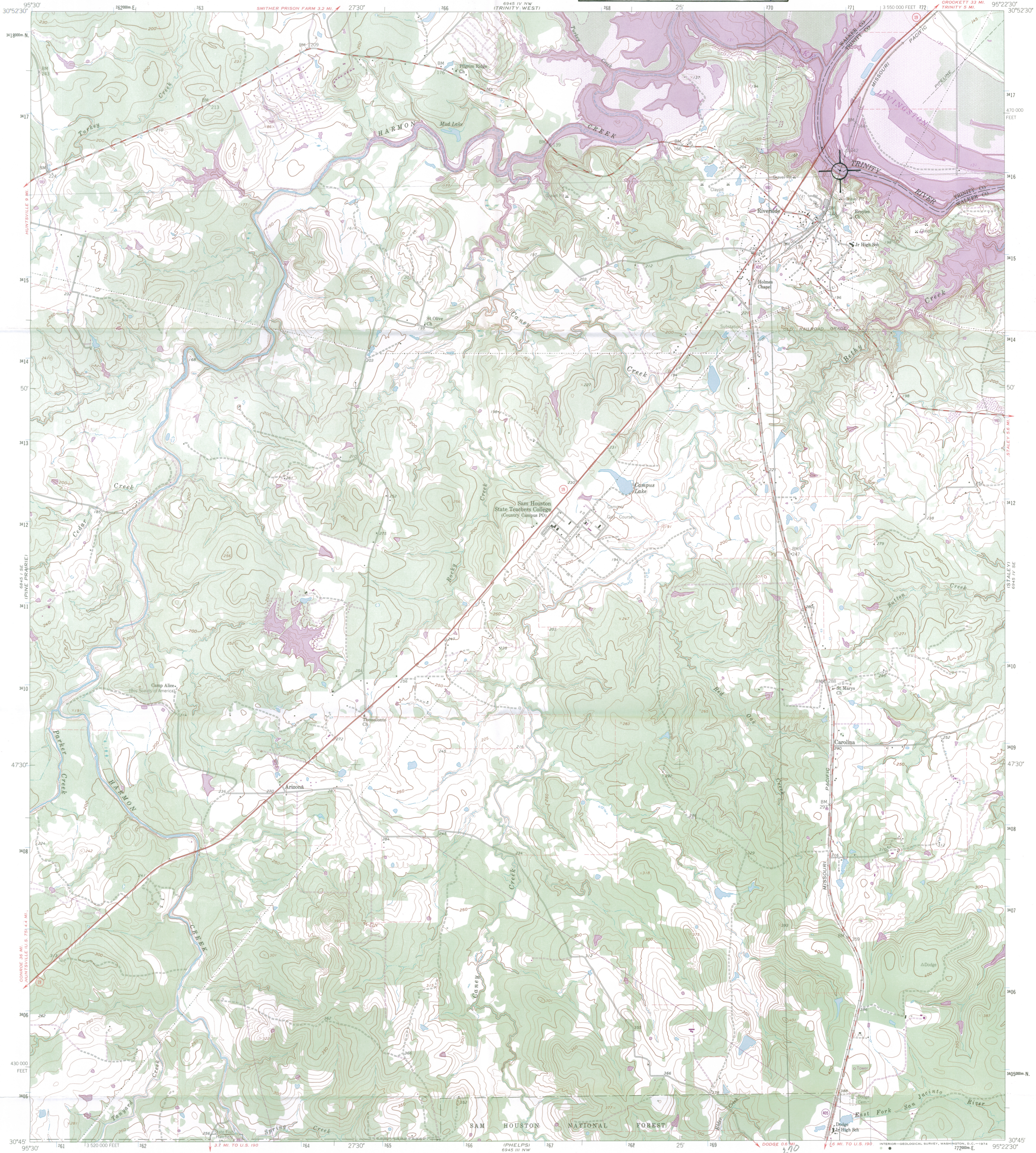
C. E. Dept., Texas Tech, Lubbock

Bridge turned parallel to river during
flood to let debris pass.

Photo #6

SEP 12 1979

JUL 5 1979



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958. Field checked 1961

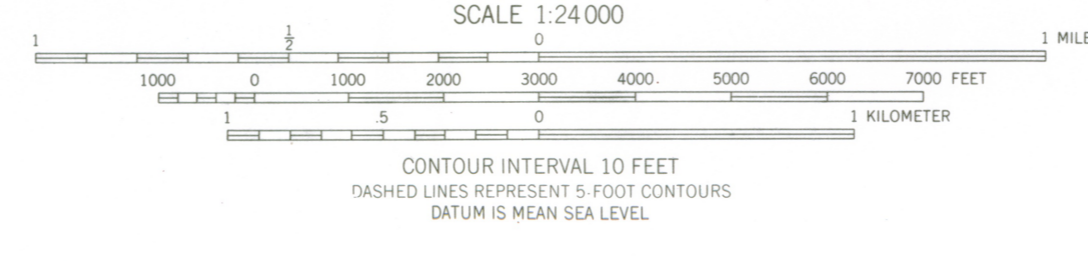
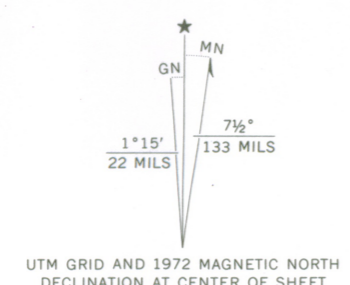
Polyconic projection. 1927 North American datum
10,000-foot based on Texas coordinate system,
central zone

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

Revisions shown in purple compiled from aerial photographs
taken 1972. This information not field checked

Areas covered by dashed light purple pattern are subject
to controlled inundation



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U.S. Route
	State Route

RIVERSIDE, TEX.
N3045-W9522 5/7.5

1961
PHOTOREVISED 1972
AMS 6945 IV SW - SERIES V882

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

3095-432

ENTRIES IN THE NATIONAL REGISTER

STATE TEXAS

Date Entered SEP 12 1979

Name

Location

Riverside Swinging Bridge

Riverside vicinity
Trinity and Walker Counties

Texana Presbyterian Church

Edna
Jackson County

Also Notified

Honorable Lloyd M. Bentsen

Honorable John G. Tower
Honorable Charles Wilson
Honorable Joseph P. Wyatt, Jr.

State Historic Preservation Officer
Mr. Truett Latimer
Executive Director
Texas State Historical Commission
P.O. Box 12276, Capitol Station
Austin, Texas 78711

NR Byers/bjr 9/19/79

For further information, please call the National Register at (202)343-6401.