

HABS/HAER INVENTORY

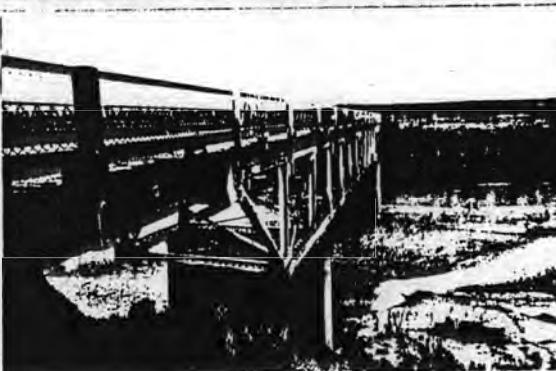
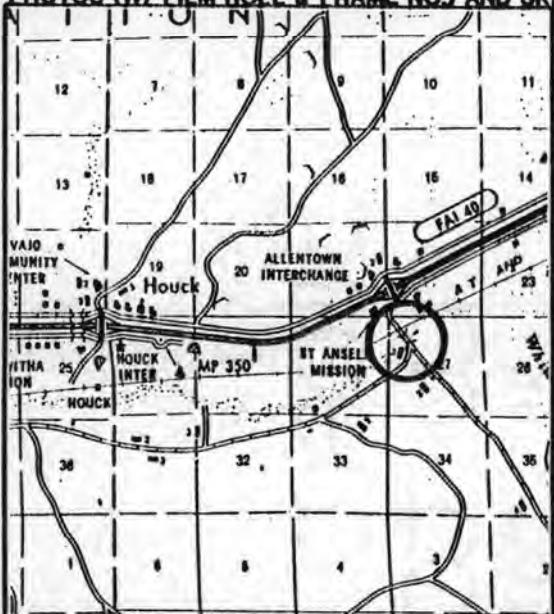
See "HABS/HAER Inventory Guidelines" before filling out this card.

1. NAME(S) OF STRUCTURE Allentown Bridge (Rio Puerco Bridge)		3. DATE(S) OF CONSTRUCTION 1923
2. LOCATION Indian Route 9402 over the Puerco River; milepost 9.10 4.4 miles east of Houck; NW1/4 S27 T22N R30E Apache County, Arizona		4. USE (ORIGINAL/CURRENT) highway bridge / roadway bridge
5. RATING NRHP eligible: local significance		
6. CONDITION fair; sufficiency rating: 48.6	owner: U.S. Bureau of Indian Affairs	
7. DESCRIPTION span number : 1 span length : 90.0' total length: 206.0' roadway wdt.: 15.2'	superstructure: riveted steel 9-panel Pratt deck truss w/ cantilevered ends substructure : concrete abutments w/ solid concrete piers floor decking : timber deck other features: top chord: 2 channels w/ cover plate and webbing; lower chord: 2 channels w/ batten plates; vertical: wide flange; diagonal: wide flange; strut: 4 angles w/ webbing; lateral bracing: 1 angle; floor beam: I beam; steel lattice guardrails; timber stringer / pile approach spans, both sides	
8. HISTORICAL DATA In 1922, the Arizona Highway Department began the major reconstruction of the Holbrook-Lupton Highway between Adamana and the state line. Two critical components of the project were the erection of substantial bridges over the Rio Puerco near the small Indian settlements of Allentown and Sanders. For the Allentown Bridge, AHD staff engineers designed a medium-span deck truss with 20' cantilevered ends. Using money from the state road fund and an Apache County bond issue, AHD let the contracts for the Sanders and Allentown bridges and a small pony truss over Lupton Arroyo at Lupton on January 1, 1923. The Midland Bridge Company of Denver was awarded the contract for the Allentown bridge. Midland began construction of the bridge on January 17 and, using steel milled by Illinois, completed the structure on July 11. Total construction cost: \$11,675. Both the Allentown and Sanders crossings were removed from the highway by another realignment in 1931, and the bridges have since carried local traffic on the Navajo Indian Reservation.		
9. SIGNIFICANCE Later designated U.S. Highway 66, the Santa Fe Highway was a major transcontinental route across northern Arizona. Before the construction of this bridge, traffic on the highway often was forced to wait up to 24 hours for the Rio Puerco to subside enough to permit fording. The Allentown Bridge thus formed an important link on a major interstate route. The Allentown Bridge is further significant as one of the earliest deck trusses built by the State Engineer, erected by a regionally active bridge contractor. Technologically, the Allentown Bridge is distinguished as one of the two earliest deck trusses identified in the inventory (other: Little Hell Canyon Bridge, 1923). Its cantilevered ends are unique among Arizona's vehicular trusses, but by no means technologically noteworthy.		

10. NAME(S) OF STRUCTURE

Allentown Bridge

11. PHOTOS (W/ FILM ROLL & FRAME NO.) AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM DEPARTMENT OF TRANSPORTATION
GENERAL HIGHWAY MAP

Bridge Record, Arizona State Highway System: 3037; Structures Section, Arizona Department of Transportation, Phoenix AZ

Fifth Biennial Report of the State Engineer, Arizona, 1920-1922 (n.p., 1922), pages 54, 93-94.

Sixth Biennial Report of the State Engineer, Arizona, 1922-1924 (Phoenix: Manufacturing Stationers, Inc., 1924), pages 145, 166, 172.

Seventh Biennial Report of the State Engineer, Arizona, 1924-1926 (Phoenix: Kelly Print, 1926), page 51.

Field inspection by Clayton Fraser, 9 October 1986.

13. INVENTORIED BY:

Clayton B. Fraser

AFFILIATION

Fraserdesign Loveland Colorado

DATE

1 April 1987

United States Department of the Interior
National Park ServiceNational Register of Historic Places
Continuation Sheet

Section number _____ Page _____

Multiple Resource Area
Thematic GroupName Vehicular Bridges in Arizona MPS
State Apache County and others, ARIZONA

Nomination/Type of Review

Date/Signature

Cover
Apache County
1. Allentown BridgeEntered in the
National Registerfor Keeper Patrick Andrus 9/30/88Keeper Delores Byers 9/30/88

Attest _____

2. Petrified Forest Bridge

Substantive Review

for Keeper Patrick Andrus 9/30/88 *scr*

Attest _____

3. Querino Canyon Bridge

Substantive Review

for Keeper Patrick Andrus 9/30/88 *scr*

Attest _____

4. Sanders Bridge

Substantive Review

for Keeper Patrick Andrus 9/30/88

Attest _____

5. Desert Wash Bridge

Substantive Review

for Keeper Return

Attest _____

6. Douglas Underpass

Substantive Review

for Keeper Patrick Andrus 9/30/88

Attest _____

7. Hereford Bridge

Substantive Review

for Keeper Patrick Andrus 9/30/88 *scr*

Attest _____

8. Canyon Diablo Bridge

Substantive Review

for Keeper Patrick Andrus 9/30/88

Attest _____

9. Canyon Padre Bridge

Entered in the
National Registerfor Keeper Delores Byers 9/30/88

Attest _____

10. Dead Indian Canyon Bridge

Substantive Review

for Keeper Patrick Andrus 9/30/88

Attest _____

8/17/88

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Allentown Bridge

MULTIPLE NAME: Vehicular Bridges in Arizona MPS

STATE & COUNTY: ARIZONA, Apache

DATE RECEIVED: 8/17/88 DATE OF PENDING LIST: 8/30/88
DATE OF 16TH DAY: 9/15/88 DATE OF 45TH DAY: 10/01/88
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 88001617

NOMINATOR: STATE

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: Y
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: N SAMPLE: N SLR DRAFT: N

COMMENT WAIVER: N

ACCEPT RETURN REJECT 9/30/88 DATE Entered in the
National Register

ABSTRACT/SUMMARY COMMENTS:

ABSTRACT/SUMMARY COMMENTS (CONTINUED FROM PREVIOUS SIDE)

Decision: _____
Date: _____
Signature: _____
Title: _____

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

criteria criteria considerations areas of sig.
 periods of sig. significant dates cultural affl.
 sig. person architect/builder sig. statement

BIBLIOGRAPHY

GEOGRAPHICAL DATA

acreage verbal boundary description
 UTM's boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

sketch maps USGS maps photographs presentation

OTHER COMMENTS

Questions concerning the nomination may be directed to

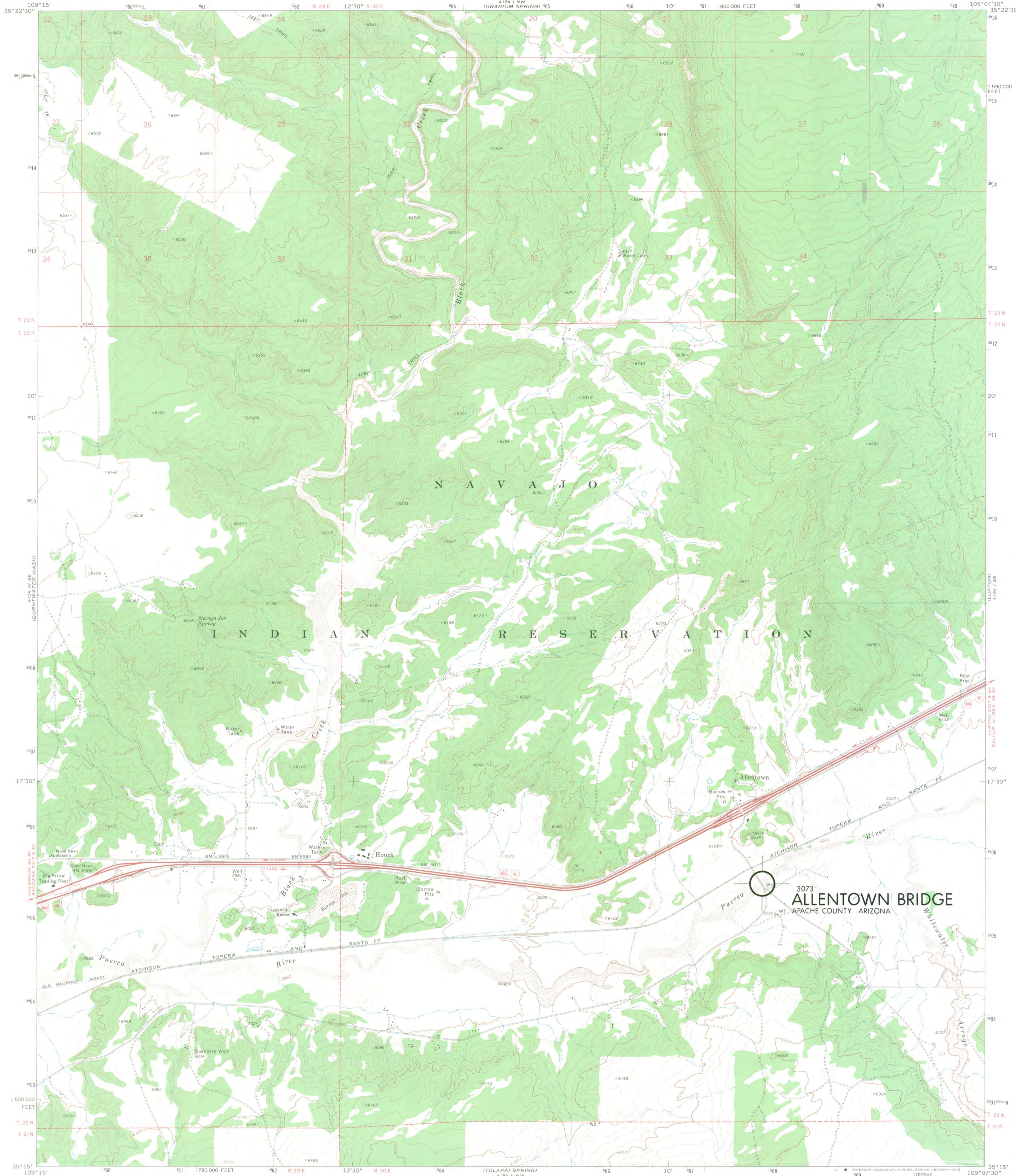
Signed _____ Date _____ Phone _____



84) 3073 ALLENTOWN BRIDGE (ARIZONA VEHICULAR BRIDGE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOUCK QUADRANGLE
ARIZONA—APACHE CO.
.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1969-70. Field checked 1971
Projection and 10,000-foot grid ticks: Arizona coordinate

Projection and 10,000-foot grid ticks: Arizona coordinate system, east zone (transverse Mercator)
1000-metre Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

Certain land lines are omitted because of insufficient data

UTM GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

4154 11 NW
SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
TOPOGRAPHICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

A map of the state of Arizona with a small square box indicating the location of the quadrangle.

669	670000m E.	109
ROAD CLASSIFICATION		
highway,	Light-duty road, hard or improved surface	=====
highway,	Unimproved road.	=====

HOUCK, ARIZ.
N3515-W10907 5/75

1971

AMS 4154 I SW—SERIES V898

AMS 4154 I SW-SERIES V898



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September 15, 1988

Ms. Carol D. Shull
Keeper of the National Register
National Register of Historic Places
National Park Service
U.S. Department of the Interior
P. O. Box 37127
Washington, D.C. 20013-7127

RE: Vehicular Bridges in Arizona
National Register Nomination

Dear Ms. Shull:

I am pleased to submit a National Register of Historic Places nomination entitled Vehicular Bridges in Arizona.

This Multiple Property Listing includes the following individually-eligible properties:

82 Structures

Accompanying documentation is enclosed, as required. As per instructions on page 24 of the May 1988 Supplement to Bulletin 16, we are enclosing Continuation Sheets (section number F) which list UTM references and which key the references to the USGS quadrangles enclosed.

We look forward to your response.

Sincerely,

Shereen Lerner, Ph.D.
State Historic Preservation Officer

Enclosure