

HABS/HAER INVENTORY

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

1. NAME(S) OF STRUCTURE

Allentown Bridge (Rio Puerco Bridge)

ADOT: 3073

3. DATE(S) OF CONSTRUCTION

1923

4. USE (ORIGINAL/CURRENT)

highway bridge / roadway bridge

5. RATING

NRP eligible: local significance

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

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.

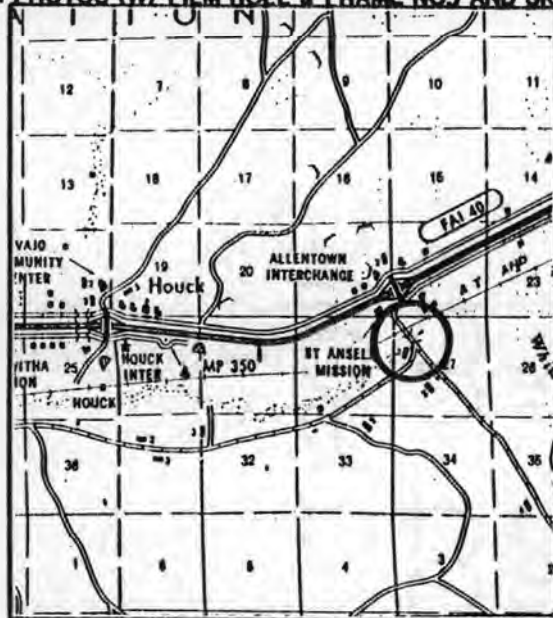
9. SIGNIFICANCE

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

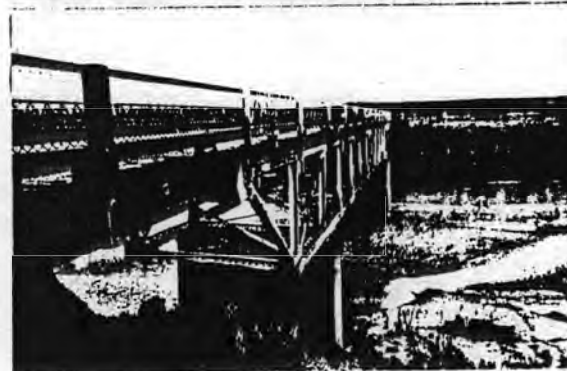
Allentown Bridge

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

8/17/88

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

Nomination/Type of Review		Date/Signature
Cover		
1. <u>Apache County</u> <u>Allentown Bridge</u>	Entered in the National Register	for Keeper <u>Patrick Andrus</u> 9/30/88 Keeper <u>Helene Byers</u> 9/30/88 Attest _____
2. Petrified Forest Bridge	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 <i>see</i> Attest _____
3. Querino Canyon Bridge	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 <i>see</i> Attest _____
4. Sanders Bridge	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 Attest _____
<u>Cochise County</u> 5. Desert Wash Bridge	Substantive Review Substantive review	Keeper <u>Return</u> Attest _____
6. Douglas Underpass	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 <i>see</i> Attest _____
7. Hereford Bridge	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 <i>see</i> Attest _____
<u>Coconino County</u> 8. Canyon Diablo Bridge	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 Attest _____
9. Canyon Padre Bridge	Entered in the National Register	Keeper <u>Helene Byers</u> 9/30/88 Attest _____
10. Dead Indian Canyon Bridge	Substantive Review	for Keeper <u>Patrick Andrus</u> 9/30/88 <i>see</i> Attest _____

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 ☐ DATE 9/30/88 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
___UTMs ___boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

___sketch maps ___USGS maps ___photographs ___presentation

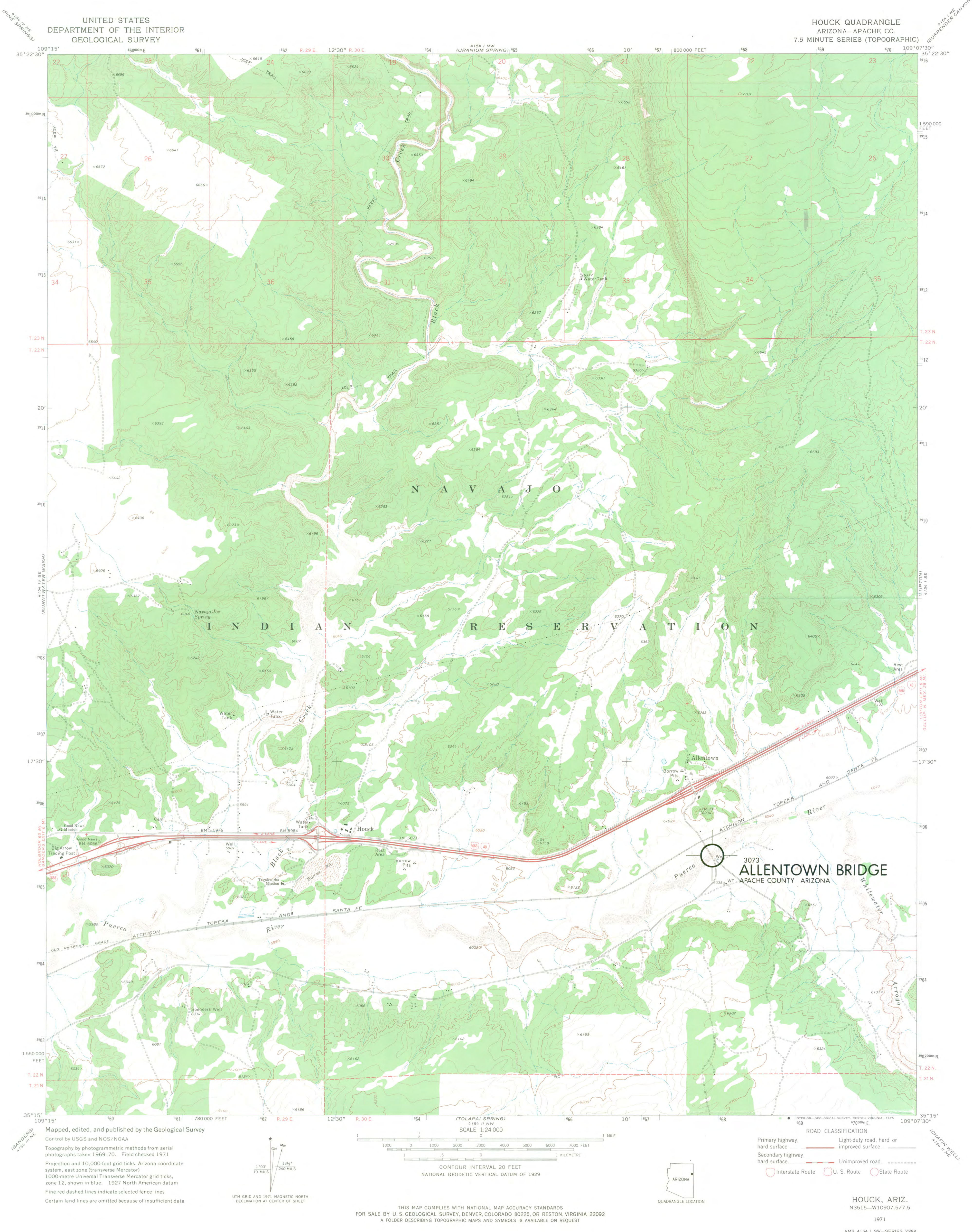
OTHER COMMENTS

Questions concerning the nomination may be directed to

Signed _____ Date _____ Phone _____



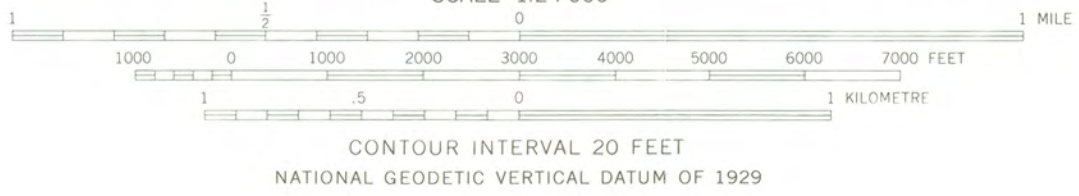
24) 3073 ALLENTOWN BRIDGE (ARIZONA VEHICULAR BRIDGE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOUCK QUADRANGLE
ARIZONA—APACHE CO.
7.5 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
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



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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

HOUCK, ARIZ.
N3515—W10907.5/7.5

1971

AMS 4154 1 SW—SERIES V898



ARIZONA STATE PARKS

800 W. WASHINGTON
SUITE 415
PHOENIX, ARIZONA 85007
TELEPHONE 602-255-4174

ROSE MOFFORD
GOVERNOR

STATE PARKS BOARD MEMBERS

DUANE MILLER
CHAIRMAN
SEDONA

JONI BOSH
VICE CHAIRMAN
PHOENIX

WILLIAM G. ROE
SECRETARY
TUCSON

REESE G. WOODLING
TUCSON

RONALD PIES
TEMPE

ELIZABETH A. DRAKE
PHOENIX

M. JEAN HASSELL
STATE LAND COMMISSIONER

KENNETH E. TRAVOUS
EXECUTIVE DIRECTOR

COURTLAND NELSON
DEPUTY DIRECTOR

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