

HABS/HAER INVENTORY

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

1. NAME(S) OF STRUCTURE

Jack's Canyon Bridge

2. LOCATION

Abandoned grade of State Highway 99 over Jack's Canyon
4.5 miles Southeast of Winslow; NW1/4 S9 T18N R16E
Navajo County, Arizona

3. DATE(S) OF CONSTRUCTION

1913

4. USE (ORIGINAL/CURRENT)

highway bridge / abandoned

5. RATING

NRHP eligible: local significance

6. CONDITION

fair

owner: Navajo County

span number : 1

superstructure: reinforced concrete rail top slab

span length : 30.0'

substructure : concrete abutments and wingwalls poured on rock embankments

total length: 44.0'

floor/decking : concrete deck

roadway wdt.: 16.2'

other features: threaded steel guardrails (removed) w/ concrete curbs

7. DESCRIPTION

The Santa Fe Highway across northern Arizona crossed rugged Jack's Canyon about 4½ miles southeast of Winslow in Navajo County. Named after Jack "Dishrag" DeSchradt, the narrow canyon was steep and rocky and presented a serious obstacle to the major east-west highway. In 1913 the Arizona State Engineer designed this modest, single-span concrete bridge to cross it. That year, force account state laborers built the bridge under the direction of Assistant Engineer B.M. Atwood for a total cost of \$1163. The plank formwork was crude, the design simple and unarticulated, and the guardrails consisted of threaded steel pipes: indicative of the early construction by an unskilled work crew. The Jack's Canyon Bridge carried vehicular traffic - first on the Santa Fe Highway and later on State Highway 99 - until its abandonment (the present bridge was built in 1968). The guardrails have since been removed and the concrete deck has deteriorated, but the structure remains otherwise intact.

8. HISTORICAL DATA

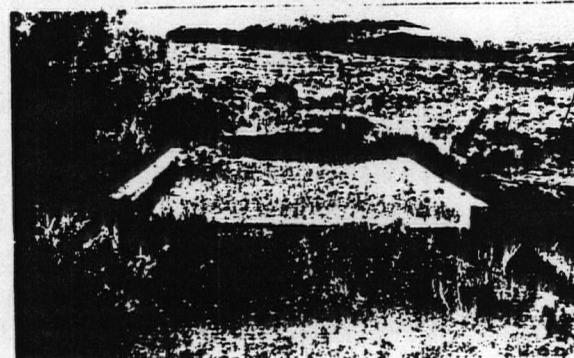
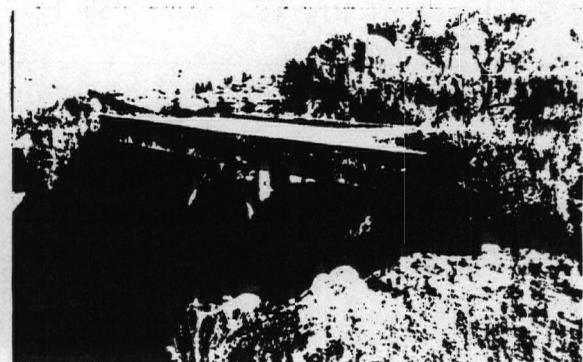
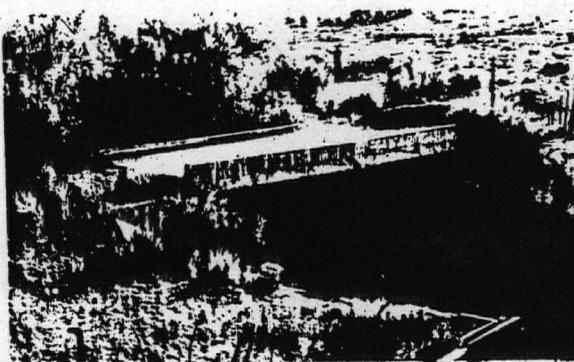
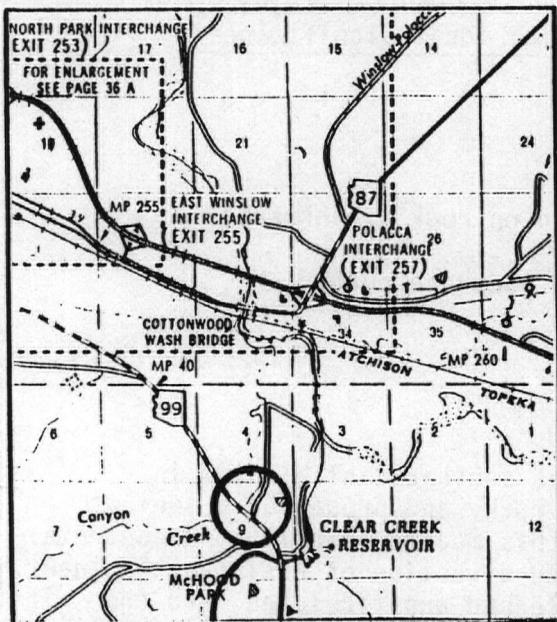
Alternately known as the Santa Fe Highway (in Arizona) and the Old Trails Highway (its national appellation), this route has served historically as the principal east-west transcontinental artery across northern Arizona. Only the Ocean-to-Ocean Highway, which passed through Yuma, Phoenix and Safford, carried more traffic in the state in the 1910s and 1920s. The Jack's Canyon Bridge formed an integral link on the road and is historically significant as the earliest structure identified in Arizona from the original route. The bridge is technologically significant as the earliest and longest example in the inventory of an unusual structural subtype: the rail top slab. Using railroad rails spaced at 24" o.c. as reinforcing, the rail top slab is by nature a short-span structure, used later in secondary road situations. Though modest in appearance, the Jack's Canyon Bridge is an important representative of early vehicular bridge construction in Arizona.

9. SIGNIFICANCE

10. NAME(S) OF STRUCTURE

Jack's Canyon Bridge

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



LOCATION MAP

TAKEN FROM DEPARTMENT OF TRANSPORTATION
GENERAL HIGHWAY MAP



Report of the State Engineer of the State of Arizona, 1909-1914, (Phoenix: Arizona State Press, 1914), pages 118-20.

Byrd Howell Granger, Arizona's Names, (Tucson: Treasure Chest Publications, 1983), page 327.

Field inspection by Clayton Fraser, 7 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 Service

National 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

41. Corduroy Creek Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

42. Holbrook Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

43. Holbrook Bridge Substantive Review for Keeper Bruce J. Noble, Jr. 3/31/89
Attest _____

44. Jack's Canyon Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

45. Lithodendron Wash Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

46. Little Lithodendron Wash Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

47. St. Joseph Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

48. Winslow Underpass Substantive Review for Keeper Bruce J. Noble, Jr. 3/31/89
Attest _____

49. Winslow Underpass Substantive Review for Keeper Patrick Andrus 9/30/88
Attest _____

50. Woodruff Bridge Substantive Review for Keeper Patrick Andrus 9/30/88 scr
Attest _____

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number _____ Page _____

SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: Various

Date Listed: 9/30/88

Various
Property Name

Various
County

Arizona
State

Vehicular Bridges in Arizona
Multiple Name

This property is listed in the National Register of Historic Places in accordance with the attached nomination documentation subject to the following exceptions, exclusions, or amendments, notwithstanding the National Park Service certification included in the nomination documentation.

for Patrick Andrus
Signature of the Keeper

9/30/88
Date of Action

Amended Items in Nomination:

There were several nominations included with this multiple property submission which defined and justified periods of significance extending into the less than fifty year old range to correspond with criterion A significance although the resources' dates of construction actually occurred well over fifty years ago. For all of these bridges, the period of significance should be concluded in 1938 to conform with National Register requirements. The following bridges are included in this category:

Petrified Forest, Querino, Hereford, Douglas Underpass, Dead Indian Canyon, Pumphouse Wash, Walnut Canyon, Fossil Creek, Black River, Salt River, Salt River Canyon, Reppy Avenue, Black Gap, Gila River, Park Avenue, Solomonville Road Overpass, Solomonville Road Overpass (Clifton), Gila Bend Overpass, Hassayampa River, Lewis and Pranty Creek, Mormon Flat, Fish Creek, Pine Creek, Sand Hollow Wash, Old Trails, Corduroy, Cedar Canyon, Holbrook, Jack's Canyon, Little Lithodendron Wash, Lithodendron Wash, St. Joseph, Woodruff, Cienega, Fourth Avenue Underpass, Sixth Avenue Underpass, Stone Avenue Underpass, Alchesay Canyon, Devil's Canyon, Queen Creek (Florence Junction vicinity), Queen Creek (Superior vicinity), Kelvin, Mineral Creek, Sacaton Dam, San Tan Canal, Winkelman, Santa Cruz No. 1, Broadway, Hell Canyon, Little Hell Canyon, Lynx Creek, Verde River, and Walnut Grove. (Period of significance issues discussed with Pat Stein of the AZ SHPO.)

DISTRIBUTION:

National Register property file
Nominating Authority (without nomination attachment)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Jack's Canyon Bridge

MULTIPLE NAME: Vehicular Bridges in Arizona MPS

STATE & COUNTY: ARIZONA, Navajo

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: 88001678

NOMINATOR: STATE

REASONS FOR REVIEW:

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

COMMENT WAIVER: N

ACCEPT RETURN REJECT 9/30/88 DATE

ABSTRACT/SUMMARY COMMENTS:

ABSTRACT/SUMMARY COMMENTS (CONTINUED FROM PREVIOUS SIDE)

Significance justified under A & C. SLR form
completed to resolve period of significance issue.

Decision: Accept - A,C
Date: 9/30/88
Signature: Noble
Title: Historian

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 _____



68) JACK'S CANYON BRIDGE (ARIZONA VEHICULAR BRIDGE)

