

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
span length : 30.0'
total length: 44.0'
roadway wdt.: 16.2'

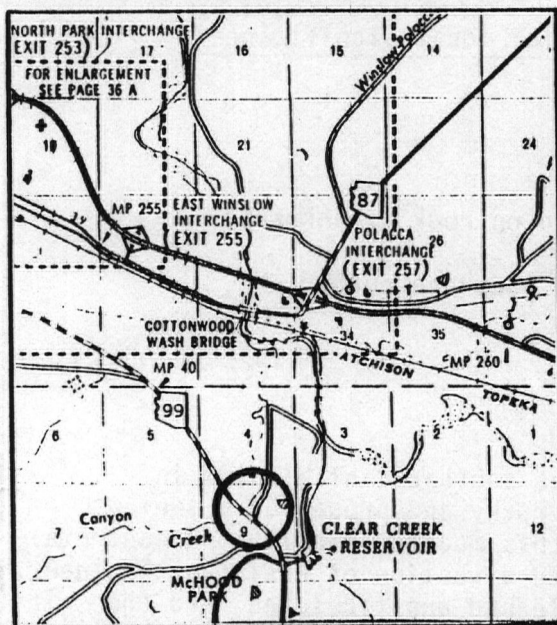
superstructure: reinforced concrete rail top slab
substructure : concrete abutments and wingwalls poured on rock embankments
floor/decking : concrete deck
other features: threaded steel guardrails (removed) w/ concrete curbs

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.

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.

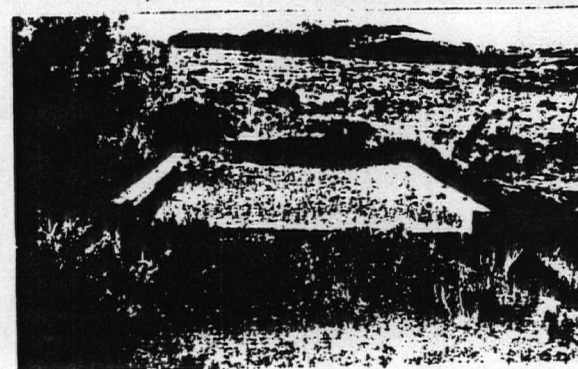
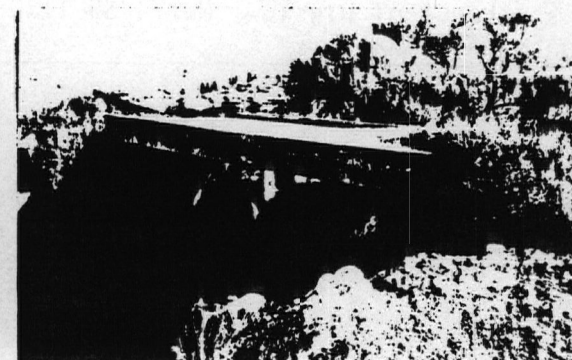
10. NAME(S) OF STRUCTURE
Jack's Canyon Bridge

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 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

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*
Holbrook Attest _____
43. Holbrook Bridge *Substantive Review* for Keeper Bruce J. Noble, Jr. 3/31/89
Holbrook vic. 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 ^{BRIDGE} 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 ServiceNational Register of Historic Places
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Section number _____ Page _____

SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: VariousDate Listed: 9/30/88Various
Property NameVarious
CountyArizona
StateVehicular 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 Andrews
Signature of the Keeper9/30/88
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
___UTMs ___boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

___sketch maps ___USGS maps ___photographs ___presentation

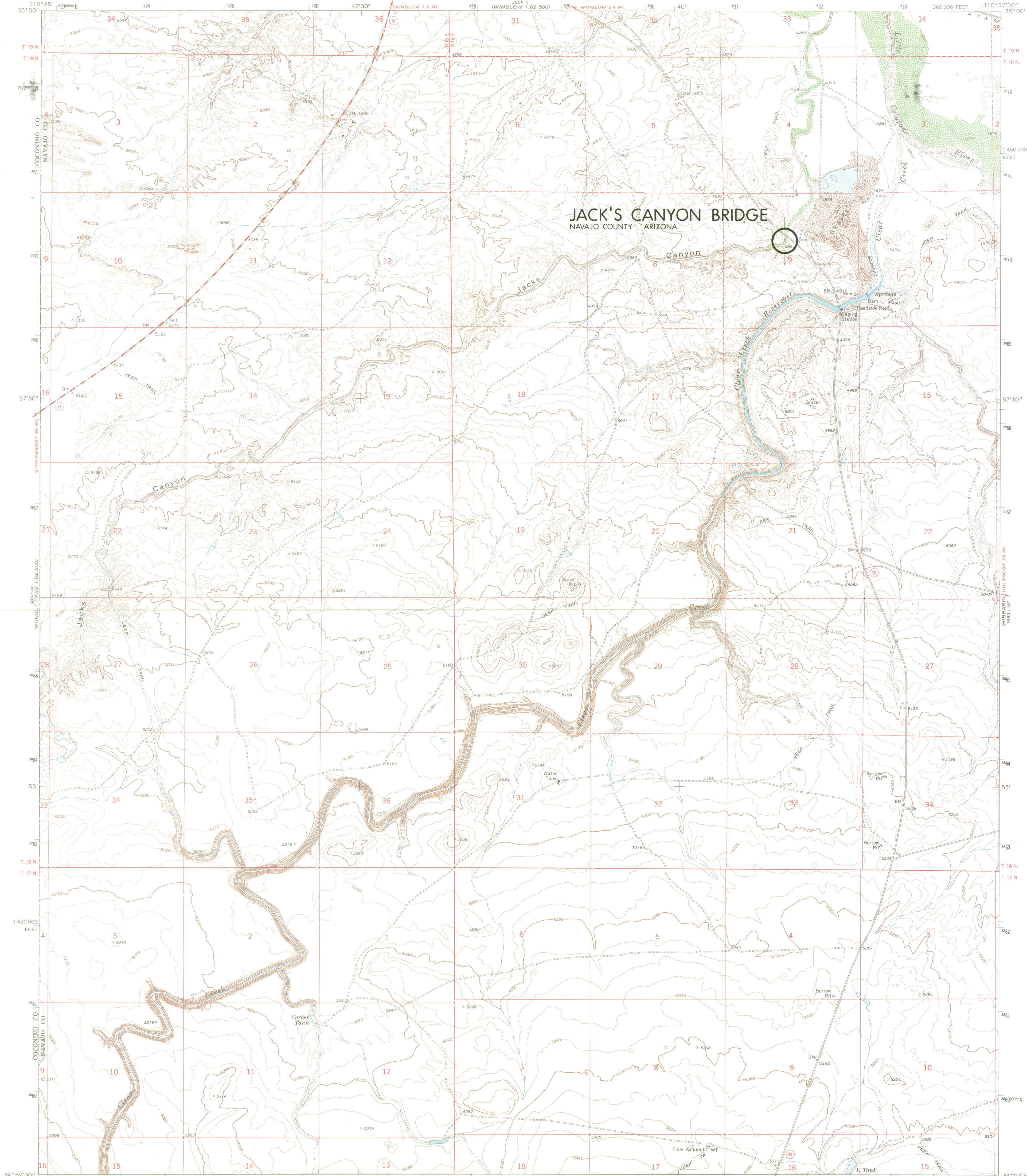
OTHER COMMENTS

Questions concerning the nomination may be directed to

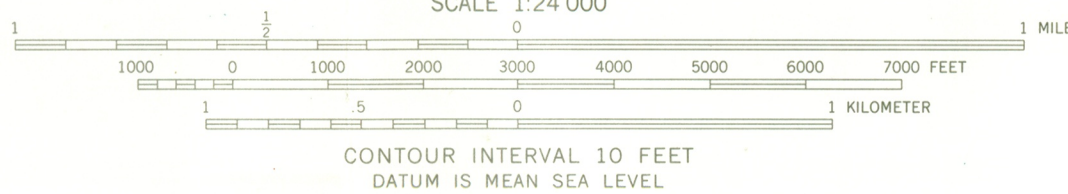
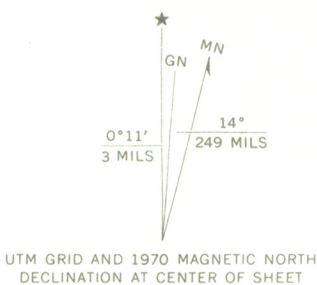
Signed _____ Date _____ Phone _____



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



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1968. Field checked 1970
Projection and 10,000-foot grid ticks: Arizona coordinate
system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue. 1927 North American datum
Fine red dashed lines indicate selected fence lines



ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved 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 WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

CLEAR CREEK RESERVOIR, ARIZ.
N3452.5-W11037.5/7.5

1970

AMS 3853 | NW-SERIES V898