

# HABS/HAER INVENTORY

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

## 1. NAME(S) OF STRUCTURE

Walnut Canyon Bridge

ADOT: 9225

## 2. LOCATION

Townsend-Winona Highway  
Winona vicinity; SE1/4 S10 T21N R9E  
Coconino County, Arizona

## 3. DATE(S) OF CONSTRUCTION

1923-24

## 4. USE (ORIGINAL/CURRENT)

roadway bridge / roadway bridge

## 5. RATING

NRHP eligible: local significance

## 6. CONDITION

good; sufficiency rating: 29.9

owner: Coconino County

span number : 1

span length : 101.0'

total length: 124.0'

roadway wdt.: 19.0'

superstructure: riveted steel, 5-panel Parker through truss

substructure : concrete abutments and wingwalls

floor/decking : concrete deck over steel stringers

other features: steel lattice guardrails w/ concrete curbs

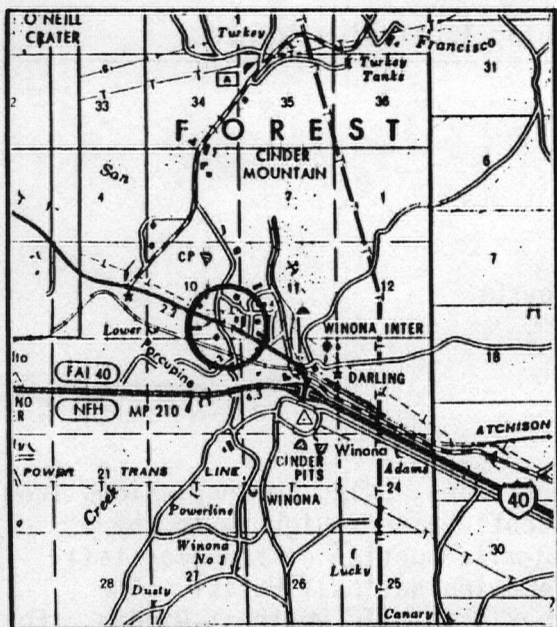
In 1922, the U.S. Bureau of Public Roads undertook two major roadbuilding projects in Arizona, using appropriations from the federal Forest Highways Fund. The first involved a 15.58-mile section of the Prescott-Phoenix Highway in the Prescott National Forest between Prescott and White Spar. The second involved a 23.43-mile portion of the Flagstaff-Winslow Highway (later U.S. 66) which stretched between Flagstaff and Angel through Coconino National Forest. The largest structure involved on the Flagstaff-Angel Project was a crossing of Walnut Creek, one mile north of Winona. For this, BPR engineers in Phoenix designated a straightforward bridge, using a standard design: a medium-span riveted through truss. The drawings were completed in December 1922, the project let for bids early the following year. The Walnut Canyon Bridge was completed by June 1924. Although the highway was subsequently realigned, it remains intact as a county structure.

In addition to the \$75,000,000 per annum appropriated by Congress for federal highways in the early 1920s, \$6,500,000 was appropriated for construction of forest highways in the country's national forests. Based upon the appropriation, Arizona received \$216,507 in 1922. The Forest Highway funds could be used for local as well as state roads. The Walnut Canyon Bridge later became a part of U.S. Highway 66 - the major east-west transcontinental route across northern Arizona - and is historically significant as an early component of this important route. Technologically, the bridge is typical. Of the four riveted Parker through trusses in the inventory, the Walnut Canyon Bridge has the shortest span and is exceeded in age by only the Salt River Bridge (1920).

10. NAME(S) OF STRUCTURE

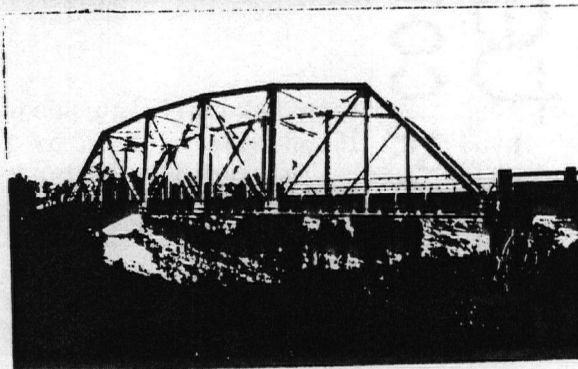
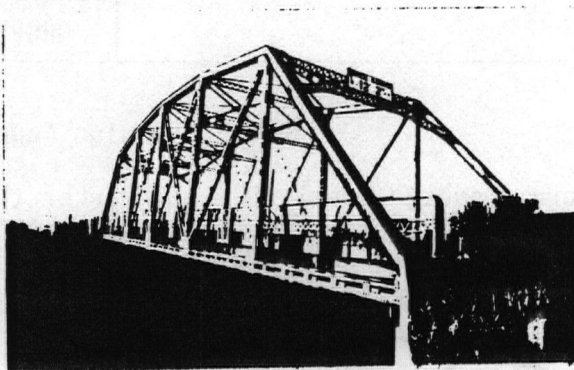
Walnut Canyon Bridge

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 City Streets and County Roads: 9225; Structures Section, Arizona Department of Transportation, Phoenix AZ.

Sixth Biennial Report of the State Engineer of Arizona, 1922-1924 (Phoenix: Manufacturing Stationers, Inc., 1924) pages 122-23.

Original construction drawings in bridge files, Structures Section, Arizona Department of Transportation, Phoenix AZ.  
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

11. Midgley, W.W. Bridge *for* Keeper Bruce J. Noble, Jr. 3/31/89  
Substantive Review Attest \_\_\_\_\_
12. Pumphouse Wash Bridge *for* Keeper Patrick Andrews 9/30/88 *SCR*  
Substantive Review Attest \_\_\_\_\_
13. Walnut Canyon Bridge *for* Keeper Patrick Andrews 9/30/88 *SCR*  
Substantive Review Attest \_\_\_\_\_
14. Gila County Black River Bridge *for* Keeper Patrick Andrews 9/30/88 *SCR*  
Substantive Review Attest \_\_\_\_\_
15. Cordova Avenue Bridge *for* Keeper Bruce J. Noble, Jr. 3/31/89  
Substantive Review Attest \_\_\_\_\_
16. Fossile Creek Bridge *for* Keeper Patrick Andrews 9/30/88 *SCR*  
Substantive Review Attest \_\_\_\_\_
17. Inspiration Avenue Bridge *for* Keeper Bruce J. Noble, Jr. 3/31/89  
Substantive Review Attest \_\_\_\_\_
18. Keystone Avenue Bridge *for* Keeper Bruce J. Noble, Jr. 3/31/89  
Substantive Review Attest \_\_\_\_\_
19. Miami Avenue Bridge *for* Keeper Bruce J. Noble, Jr. 3/31/89  
Substantive Review Attest \_\_\_\_\_
20. Reppy Avenue Bridge *for* Keeper Patrick Andrews 9/30/88 *SCR*  
Substantive Review Attest \_\_\_\_\_



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

Section number \_\_\_\_\_ Page \_\_\_\_\_

## SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: VariousDate Listed: 9/30/88Various  
Property NameVarious  
CountyArizona  
StateVehicular Bridges in Arizona  
Multiple Name

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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 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: Walnut Canyon Bridge

MULTIPLE NAME: Vehicular Bridges in Arizona MPS

STATE & COUNTY: ARIZONA, Coconino

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: 88001660

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: N SLR DRAFT: N

COMMENT WAIVER: N

☒ ACCEPT ☐ RETURN ☐ REJECT 9/30/88 DATE

ABSTRACT/SUMMARY COMMENTS:



ABSTRACT/SUMMARY COMMENTS (CONTINUED FROM PREVIOUS SIDE)

*Nomination acceptable. SLR form completed to  
resolve period of significance issue.*

Decision: Accept - A<sub>2</sub>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 \_\_\_\_\_



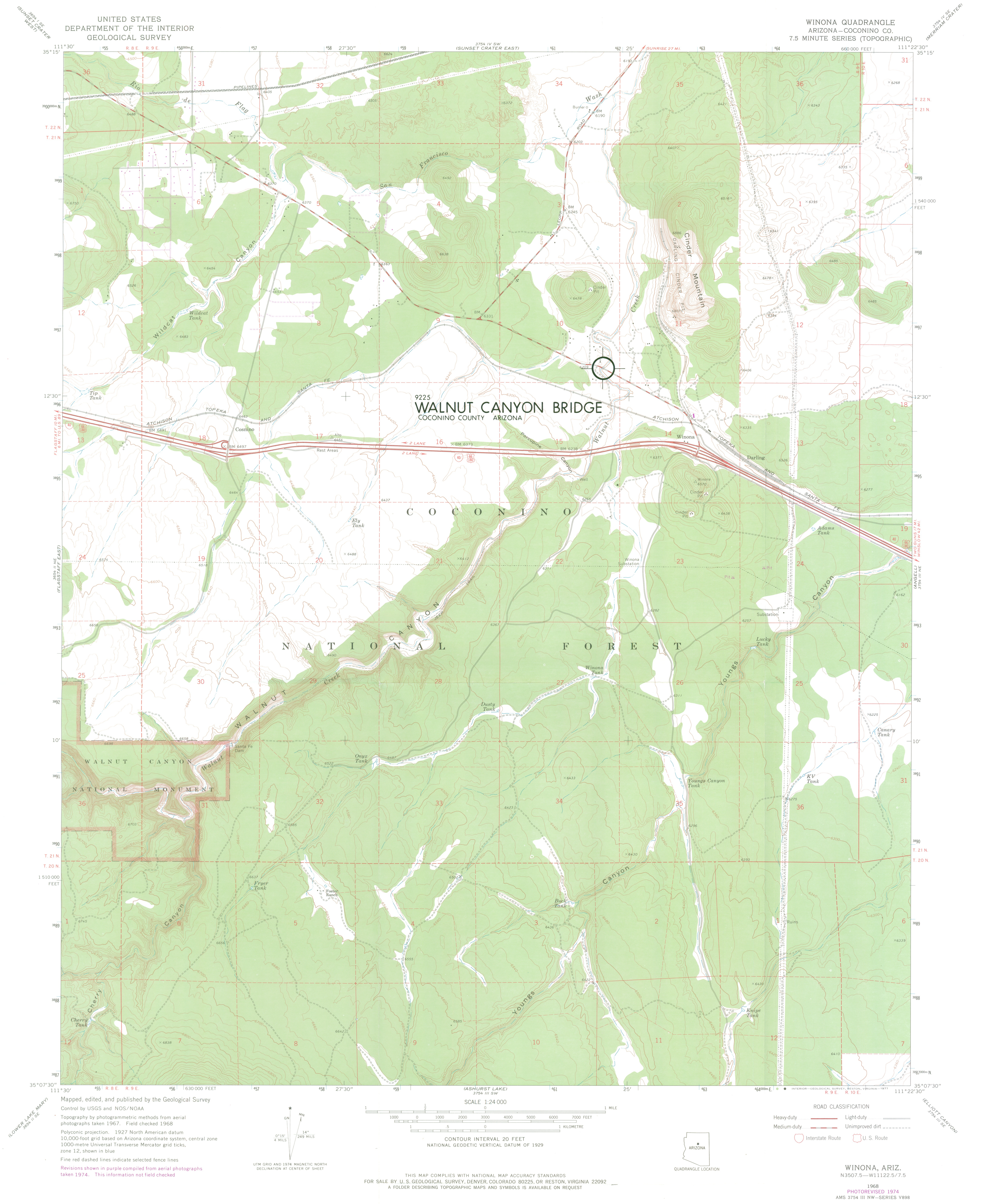




58) 9225 WALNUT CANYON BRIDGE (ARIZONA VEHICULAR BRIDGE)







UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WINONA QUADRANGLE  
ARIZONA-COCONINO CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

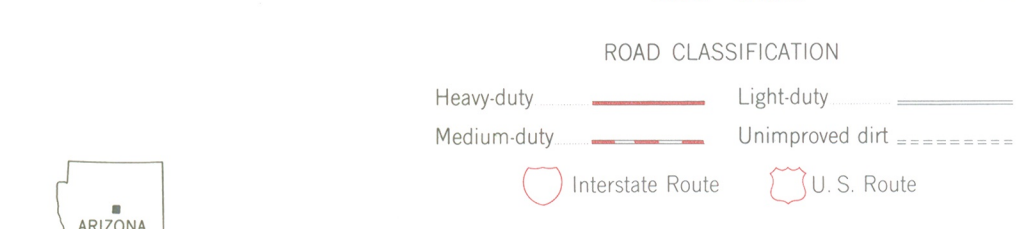
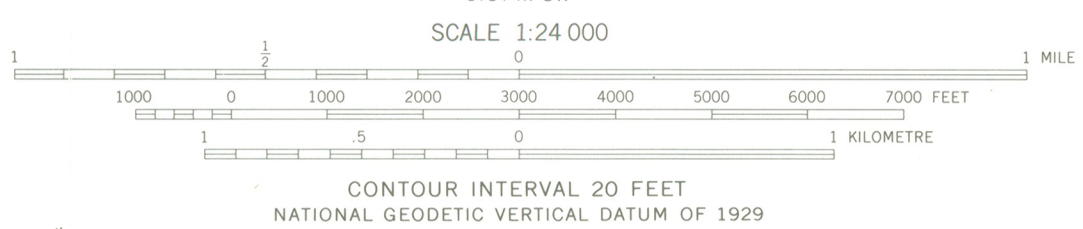
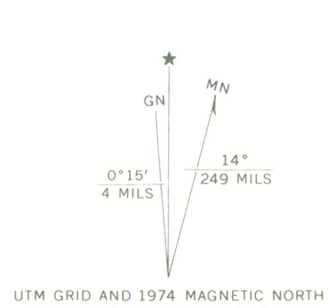
9225  
WALNUT CANYON BRIDGE  
COCONINO COUNTY ARIZONA

C O C O N I N O

N A T I O N A L F O R E S T

WALNUT CANYON  
NATIONAL MONUMENT

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial  
photographs taken 1967. Field checked 1968  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Arizona coordinate system, central zone  
1000-metre Universal Transverse Mercator grid ticks,  
zone 12, shown in blue  
Fine red dashed lines indicate selected fence lines  
Revisions shown in purple collected from aerial photographs  
taken 1974. This information not field checked



WINONA, ARIZ.  
N3507.5-W1122.5/7.5  
1968  
PHOTOREVISED 1974  
AMS 3754 III NW-SERIES V898

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