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	Various	Arizona
	Property Name	County	State
	Wehicular 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.		
(pr)	Signature of the Keeper	9/30 /88 Date of Actio	n

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)

1. NAME(8) OF STRUCTURE Devil's Canyon Bridge

2. LOCATION Abandoned grade of U.S. 60 over Devil's Canyon 4.7 miles northeast of Superior; NW1/4 S22 TIS R13E Pinal County, Arizona

> 3. DATE(8) OF CONSTRUCTION 5. RATING 4. USE (ORIGINAL/CURRENT) highway bridge / abandoned 1921-22

NRIP eligible: local significance

6. CONDITION

fair / good

span length: 65.0' total length: 108.0' span number : floor/decking : concrete deck over earth fill superstructure: reinforced concrete filled spandrel arch concrete abutments and wingwalls on spread footings

owner: Pinal County

roadway wdt.: other features: paneled concrete parapet walls w/ steel pipe guardrails; incised line on

concrete arch ring

difficult highway construction ever undertaken by the Arizona Highway Department. The heaviest portion of the work conducted in the late 1910s and early 1920s consisted of 1.75 miles of road blasted through rugged Queen Creek Canyon. Designated as Section C, it was completed in 1921 at a cost of approximately \$300,000. In addition to numerous small span examples of the former were engineered by their inventor, Daniel Luten, or his assistants. The latter two were designed in-house by AHD bridge engineers for medium-to-long-span applications. The Devil's Canyon Bridge is noteworthy as the oldest such AHD-designed common arch remaining in Arizona. It was followed soon by other similar AHD spans: among them the Lynx Creek Bridge (1922), Verde River Bridge (1922-23) and Fossil Creek Bridge (1924), all featuring Wright, a force account labor crew constructed the Devil's Canyon Bridge in 1921-22 for a total cost of \$23,780. It carried traffic until its replacement in 1941. The Devil's Canyon Bridge now stands abandoned beside U.S. 60. drel arch, with a moderate arch barrel rise, a roadway which cantilevered over the arches on both sides, a corbeled arch drainage structures, the project involved construction of substantial concrete arch bridges over Queen Creek and Devil's Federal Aid Project 16 - Miami-Superior Highway in Gila and Pinal counties (later U.S. 60) - involved some of the most Luten arch, the open spandrel arch, and what it termed the "common arch" - or segmental filled spandrel - design. Longdesign trend. The Arizona Highway Department used three basic concrete arch configurations in the 1910s and 1920s: the highway projects. The Devil's Canyon Bridge is historically significant as an integral part in one of the state's most important early ring and paneled concrete parapets with steel pipe guardrails. Under the supervision of AHD Resident Engineer H.B. The AHD bridge department engineered the Devil's Canyon Bridge in October 1921 as a medium-span, filled-span-Additionally, this structure is technologically important as an early example of a statewide bridge

Historic American Buildings Survey / Historic American Engineering Record National Park Service, U.S. Department of the Interior, P.O. Box 37127, Washington, DC 20013-7127

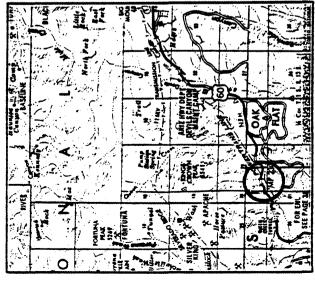
similar Luten-like reinforcing, span lengths and concrete detailing.

9. SIGNIFICANCE

10. NAME(S) OF STRUCTURE

Devil's Canyon Bridge

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











TAKEN FROM DEPARTMENT OF TRANSPORTATIC GENERAL HIGHWAY M OCATION MAP

Fourth Biennial Report of the State Engineer of Arizona, 1918-1920 (Phoenix: Republican Print Shop, 1920), pages 38-39,

Fifth Biennial Report of the State Engineer of Arizona, 1920-1922 (n.p., 1922), pages 48, 51, 99-101. Original construction drawings, Structures Section, Arizona Department of Transportation, Phoenix AZ.

Field inspection by Clayton Fraser, 26 February 1987.

13, INVENTORIED BY:

AFFILIATION

1 Apr 11 1987 DATE

