United States Department of the Interior National Park Service

National Register of Historic Places Continuation Sheet

Section number Page		
SUPPLEMENTARY I	LISTING RECORD	
NRIS Reference Number: Various	Date Listed:	9/30/88
Various	Various	Arizona
Property Name	County	State
Vehicular Bridges in Arizona Multiple Name This property is listed in the Name Places in accordance with the attached subject to the following exception notwithstanding the National Park in the nomination documentation.	ached nomination dons, exclusions, or	cumentation amendments,
in the nomination documentation.		

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:

total length: 832.0'

roadway wdt.:

Old Trails Bridge (Topock Bridge; Needles Bridge)

Abandoned U.S. 66 over the Colorado River Topock; NW1/4 S2 T15N R21W

Mohave County, Arizona

See "HABS/HAER inventory Guidelines" before filling out this card 3. DATE(8) OF CONSTRUCTION 1915-16

4. USE (ORIGINAL/CURRENT) highway bridge / pipeline bridge

6. RATING NRHP eligible: national significance

6. CONDITION

excellent

owner: El Paso Natural Gas Company

span length : 592.0' span number : superstructure: riveted steel 3-hinge brace-ribbed through arch w/steel girder approach spans substructure concrete abutments, wingwalls and arch pedestals

floor/decking : steel grid walkways

other features: upper arch chord: 2 channels w/ cover plate and double lacing; lower arch chord: 2 channels w/ double webbing; diagonal: 4 angles w/ webbing; arch post:

2 angles w/ webbing; lateral bracing: 2 angles; floor tie: riveted steel plate girder; suspender: round steel rod

and erection was let to the Kansas City Structural Steel Company. Under the direction of company construction superintendent Thomas McCurnin and county construction engineer J.P. Kimmerer, Kansas City poured the footings and erected the arch using a unique cantilever technique in 1915. The bridge was completed on February 20, 1916. The Topock Bridge carried interstate traffic for U.S. 66 until 1947, when traffic was transferred to the nearby Red Rock Bridge. In 1948, Bureau of Indian Affairs sought to erect another substantial span over the Colorado River to serve the Old Trails Highway further north. Topock, Arizona - halfway between Yuma and the Utah Border - was chosen as the crossing site. Each entity contributed \$25,000, and San Bernadino County agreed to design the bridge and pay for any cost overruns. County surveyor S.A. Sourwine engineered this long-span steel arch. On June 30, 1915, the contract of for fabrication As the Ocean-to-Ocean Bridge (8533) was under construction in 1914, the states of Arizona and California and the U.S its deck was removed to accomodate a natural gas pipeline, which it still carries.

system, in which the bridge halves were assembled on their sides on the ground and hoisted into place using a unique ball-and-socket center hinge. At its completion the longest arch bridge in America, the 360-ton Topock Bridge was also distinguished as the lightest and longest three-hinged arch. The removal of the deck has done little to compromise the called by the Engineering Record, "exceptionally daring and successful for work of such magnitude." Taking a cue from bridge, and it remains a landmark in American civil engineering. the difficulties experienced at Yuma, engineers for Kansas City Steel erected this bridge using a novel cantilever The Topock Bridge is historically significant in the Southwest as a pivotal crossing on the transcontinental Old Trails Technologically, the structure is nationally significant as an outstanding example of steel arch construction,

8. SIGNIFICANCE

