

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

<u>Property Name</u>	<u>County</u>	<u>State</u>
<u>Various</u>	<u>Various</u>	<u>Arizona</u>

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 Andrews
Signature of the Keeper

9/30/88
Date of Action

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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)

HABS/HAER INVENTORY

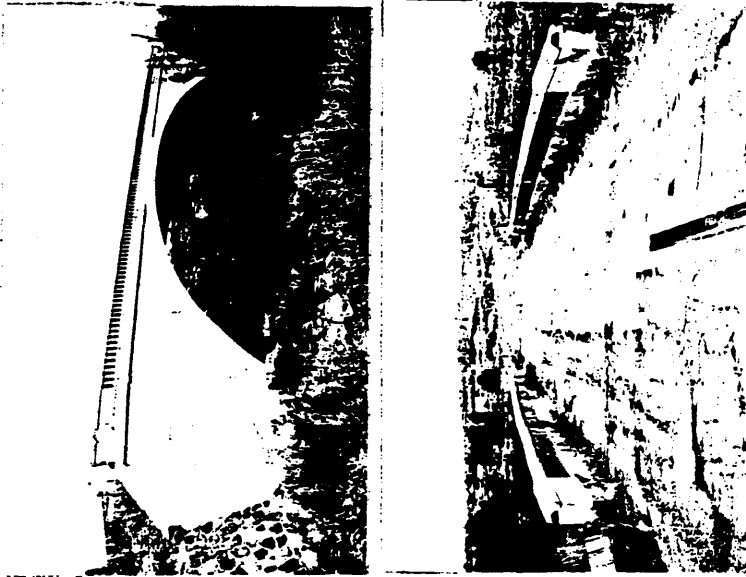
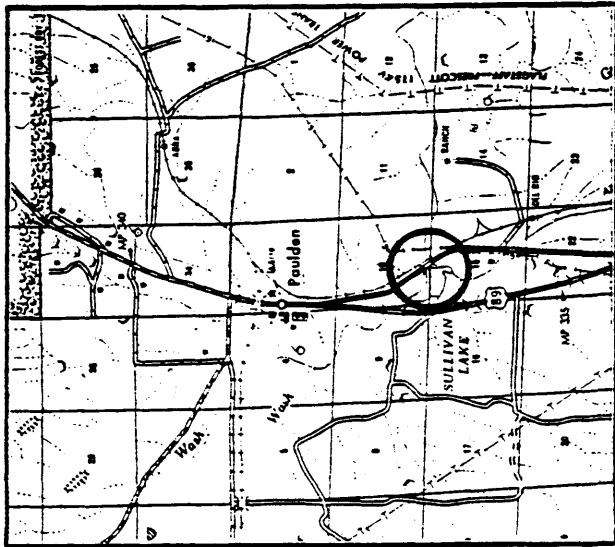
1639

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

1. NAME(S) OF STRUCTURE Verde River Bridge	ADOT : 8236	3. DATE(S) OF CONSTRUCTION 1922-23
2. LOCATION Sullivan Lake Road over the Verde River 2.7 miles south of Paulden; SMI/4 S10 T17N R2W Yavapai County, Arizona	4. USE (ORIGINAL/CURRENT) roadway bridge / roadway bridge	5. RATING NRHP eligible: local significance
6. CONDITION good; sufficiency rating: 97.0 owner: Yavapai County		
7. DESCRIPTION span number : 1 span length : 100.0' total length: 127.0' roadway wdt.: 20.9' superstructure: reinforced concrete filled spandrel arch substructure : concrete abutments and wingwalls floor/decking : asphalt over concrete deck w/ earth fill other features: moulded concrete guardrails w/ corbelled concrete bulkheads and square concrete balusters; concrete corbels at arch rings		
8. HISTORICAL DATA In the late 1910s, Yavapai County surveyed a route between Prescott and Ash Fork as a county road. After completing its design, however, the county board of supervisors decided to seek federal aid. The Arizona Highway Department then resurveyed the route to meet federal specifications, divided the project into four sections (FAP 36, 36-B, 61 and 62) and over the next three years undertook the extensive 50-mile highway construction as a state route. One phase of the project involved construction of a bridge over the Verde River, a minor canyon south of Paulden. For this, the AHD bridge department engineered a long-span concrete arch using a standard, non-Luten design. In September 1922, AHD awarded the construction contract for the Verde River Bridge under FAP 61 to L.C. Lashmet. Lashmet began substructural construction on October 16 and completed the approach grading on March 2, 1923. Total cost: \$18,380. The Verde River Bridge functioned on U.S. Highway 89 until it was removed from the route by a realignment in 1967. At that time it was transferred to Yavapai County and now carries local traffic in unaltered condition.		
9. SIGNIFICANCE The Verde River Bridge is integrally associated with regionally important highway, U.S. 89, through central Arizona. Additionally, the bridge is technologically important as an early example of a statewide bridge trend. The Arizona Highway Department used three basic concrete arch configurations in the 1910s and 1920s: the Luten arch, the open spandrel arch, and what it termed the "common arch" - or segmental filled spandrel - design. Long-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 Verde River Bridge is noteworthy as the longest of the four such arches identified in the inventory (others: Devil's Canyon Bridge (1921-22), Lynx Creek Bridge (1922) and Fossil Creek Bridge (1924)). All featured similar Luten-like reinforcing, span lengths and concrete detailing.		

10. NAME(S) OF STRUCTURE
Verde River 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: 8236; Structures Section, Arizona Department of Transportation, Phoenix AZ.

Fifth Biennial Report of the State Engineer of Arizona, 1918-1920 (n.p., 1920), page 52, 123.

Sixth Biennial Report of the State Engineer of Arizona, 1920-1922 (Phoenix: Manufacturing Stationers, Inc. 1922), pages 144, 166, 177-78.

Cardex file: Verde River Bridge, U.S. Highway 89, Structures Section, Arizona Department of Transportation, Phoenix AZ.

Field inspection by Clayton Fraser, 5 December 1986.

13. INVENTORIED BY:

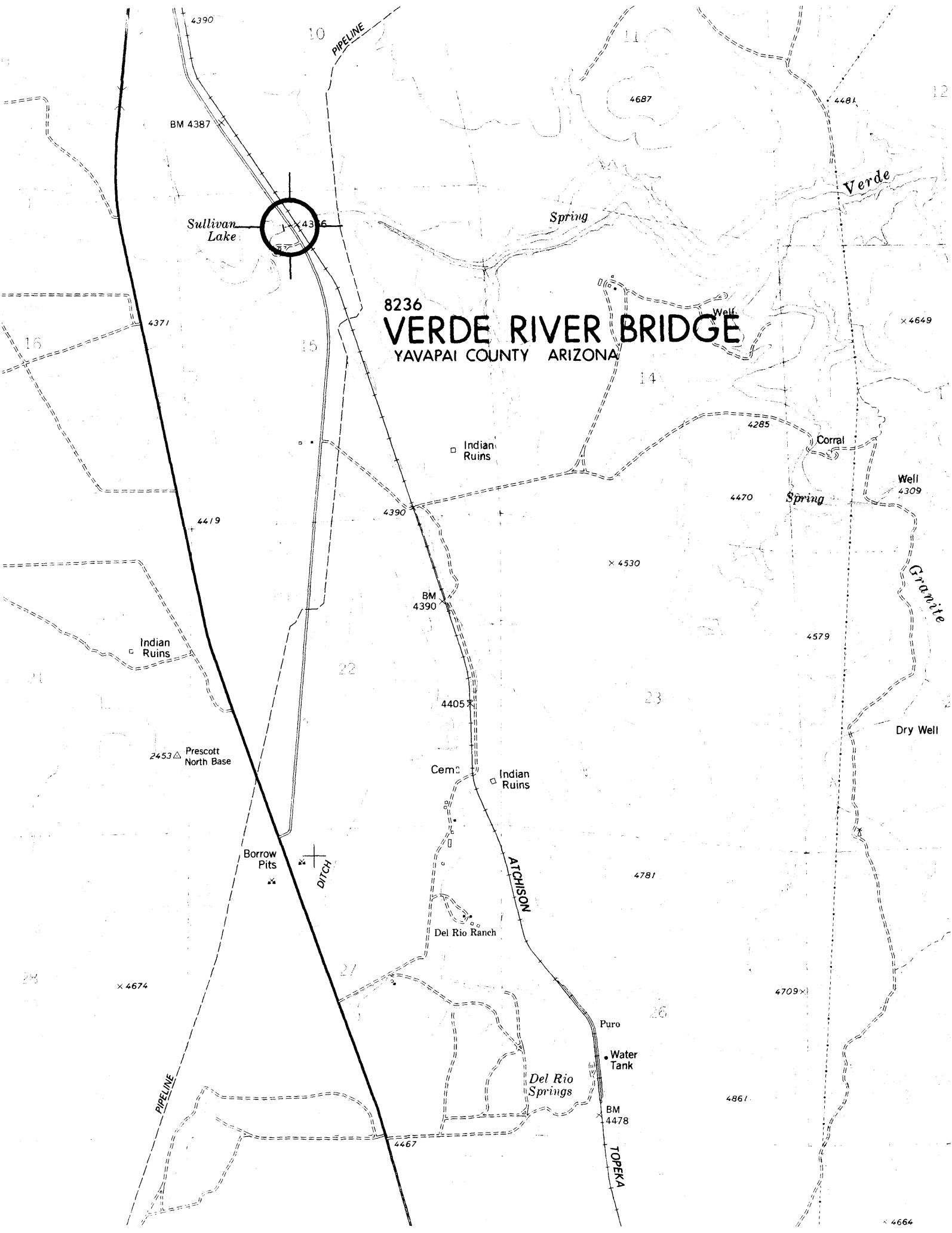
Clayton B. Fraser

AFFILIATION

Fraserdesign Loveland Colorado

DATE

1 April 1987



8236
VERDE RIVER BRIDGE
YAVAPAI COUNTY ARIZONA

Sullivan Lake

Spring

Verde

Indian Ruins

Corral

Well 4309

Spring

Indian Ruins

2453 Prescott North Base

Borrow Pits

DITCH

Cem.

Indian Ruins

Del Rio Ranch

ATCHISON

Dry Well

Del Rio Springs

Puro

Water Tank

BM 4478

TOPEKA

PIPELINE

4467

x 4664