

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

Vehicle 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**

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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, Pumhouse 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

1654/1655/1656

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

<b>1. NAME(S) OF STRUCTURE</b> Tucson Underpasses: Fourth Avenue, Sixth Avenue and Stone Avenue		ADOT: 8453 1580	<b>3. DATE(S) OF CONSTRUCTION</b> 1914-16; 1930; 1935-36
<b>2. LOCATION</b> Fourth Avenue, Sixth Avenue and Stone Avenue under SP Railroad Tucson; S20-12-12 T14S R13E Pima County, Arizona		0169	<b>4. USE (ORIGINAL/CURRENT)</b> city street underpass / city street underpass
<b>6. CONDITION</b> fair / good		owner: City of Tucson, Arizona (Fourth); Arizona Department of Trans. (Sixth and Stone)	<b>6. RATING</b> NRHP eligible: local significance

<b>7. DESCRIPTION</b>
<p>Fourth Avenue</p> <p>span number : 2</p> <p>span length : 12.0'</p> <p>total length : 257.0'</p> <p>roadway width : 26.0'</p> <p>Sixth Avenue</p> <p>span number : 4</p> <p>span length : 14.0'</p> <p>total length : 42.0'</p> <p>roadway width: 80.0'</p> <p>Stone Avenue</p> <p>span number : 2</p> <p>span length : 25.0'</p> <p>total length : 76.0'</p> <p>roadway width: 49.0'</p> <p>superstructure: reinforced concrete slab and rigid frame</p> <p>substructure : concrete abutments and retaining walls w/ spill through concrete piers</p> <p>floor/decking : asphalt paving (street); stone and earth fill (railroad)</p> <p>other features: architectural treatment (see item 9)</p>

**8. HISTORICAL DATA**

Dating from the late 1870s, the Southern Pacific Railroad provided a vital transportation link for the southern Arizona city of Tucson as it passed through the city center. But the heavy rail traffic on the railroad's main line posed problems for street traffic, snarling traffic and creating dangerous on-grade crossings. In 1913, the city moved to separate 4th Avenue from the railroad by constructing an underpass. The design for the structure was completed in August 1914 by L.R. Walker, and the 4th Avenue Underpass was completed in 1916. Twelve years later, city engineer Glenton Sykes designed a similar underpass for 6th Avenue. In May 1930, the city contracted with the Lee Moor Construction Company to build the 6th Avenue Underpass. In 1935, the Arizona Highway Department contracted with M.M. Sundt under Project No. NRM-9 to build a third underpass in the city center, carrying U.S. 89 beneath the railroad at Stone Avenue. Sundt completed the structure in January 1936. All three underpasses remain in unaltered, albeit vandalized, condition and are now scheduled for replacement by the Aviation Corridor highway project.

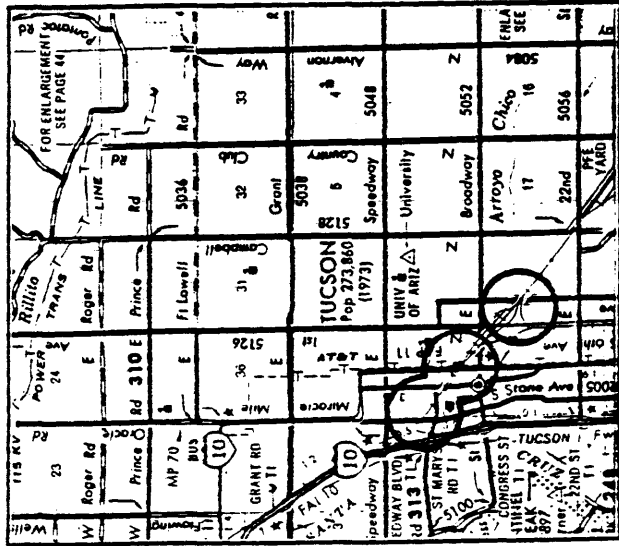
**9. SIGNIFICANCE**

Unlike bridges, which were typically located in rural settings, Arizona's urban grade separations were usually designed with consideration of their aesthetic impact. Most featured architectural treatments, either revisionists or modernists, intended to integrate the structures within their urban settings. The oldest urban grade separation in the state, the 4th Avenue Underpass features the simplest detailing of the three Tucson underpasses, with paneled concrete parapet walls and link chain guardrails. The 6th Avenue Underpass, with its squashed balusters and bud capitals, has a vaguely Egyptian tone. Finally, the Stone Avenue Underpass displays mainline Mission Style detailing, notable for its prominent curvilinear parapet and arched copings. A prototypical Arizona style, this was an architectural treatment that AHD used for a number of its underpasses. As a group, these three structures well represents this architectural trend. All were determined eligible for NRHP and are now being documented for HAER as mitigation before demolition.

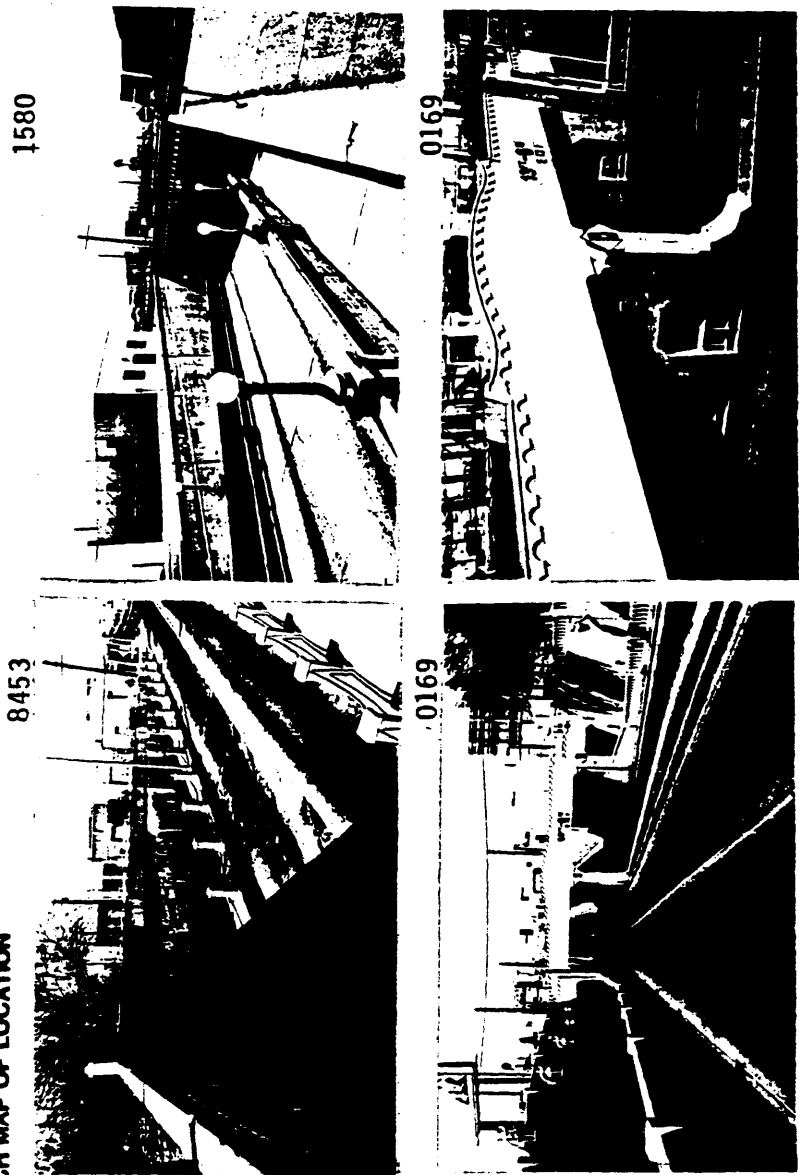
10. NAME(S) OF STRUCTURE

Tucson Underpasses

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 State Highway System: 8453 (4th Avenue), 1580 (6th Avenue), 0169 (Stone Avenue); Structures Section, Arizona Department of Transportation, Phoenix AZ.

Original construction drawings for 4th Avenue, 6th Avenue and Stone Avenue underpasses, Structures Section, Arizona Department of Transportation, Phoenix AZ.

"Tucson Continues to Build," Tucson: 6:1939:2.

Arizona Highways: 12:1935:18; 1:1936:19; 2:1936:23.

Field inspection by Clayton Fraser, 22 February 1987.

13. INVENTORIED BY:

Clayton B. Fraser

AFFILIATION

Fraseresign Loveland Colorado

DATE

1 April 1987