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May 13, 2014
 Arizona Corporation Commission
 Office of Railroad Safety
 Attn: Chris Watson
 1200 W Washington Street
 Phoenix, AZ 85007

2014 MAY 13 11:20

AZ CORP COMMISSION
DOCKET CONTROLArizona Corporation Commission
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MAY 13 2014

RE: Application to widen the existing SR 303 overpass.
 Project: US 60 Grand Avenue / SR 303L TI, Interim
 Location: SR303 Overpass
 Federal Project # 303-A (210) S
 ADOT Tracs # 303L MA 118.0 H814501D
 Install new overpass crossing: DOT # 025774V
 Railroad LS 7208 MP 167.76

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RR-02635B-14-0158

Mr. Watson,

This application is being submitted to allow the Arizona Department of Transportation (ADOT) to widen the existing grade separated crossing that is previously approved over the track of Burlington Northern and Santa Fe at the intersection of US 60 and SR 303, Maricopa County, Arizona, MP118, Docket No. RR-02635B-00-0288, Decision No. 62699.

1. Project Location and Description

The project is located at the State Route 303 Loop (SR 303L) and US 60, on SR 303L, within the City of Surprise, Maricopa County, Arizona. New SR 303L freeway construction limits are from MP 118.1 to MP 120.2. New AR-ACFC overlay limits extend the project limits to the south on NB SR303L to MP 116.0 and on SB SR 303L to MP 118.0. The project scope includes the following:

Widen the existing SR 303L bridge over existing US 60 and BNSF R/W and Railroad track, which includes the following:

- Remove existing concrete barrier and bridge deck.
- Construct bridge piers.
- Set precast concrete girders.
- Place concrete bridge deck using stay in-place deck forms.
- Construct new concrete bridge barrier (east side only).
- Place new light-weight sound wall panels and the edge of bridge deck (east side only).
- Install chain link fence on the existing bridge barrier on the west side of the bridge within the limits of BNSF R/W.

2. Why the crossing is needed

The existing two-lane roadway has insufficient capacity to accommodate existing and future traffic demands, resulting in heavy congestion in the area. The existing grade-separated connection between US 60 and SR 303L will not provide an appropriate connection from US 60 to the planned six-lane urban SR 303L freeway in accordance with current design guidelines. The purpose of the project is to improve the existing SR 303L freeway and traffic interchange (TI) at US 60 to reduce traffic congestion/delays and improve overall traffic operations between US 60 and SR 303L3.

Construction Phasing

The estimated project construction duration is 16 months. Construction is scheduled to start in early November 2014 with completion anticipated in March 2016. Work within the BNSF Railroad R/W will occur between January 2015 and August 2015.

4. Maintenance of the grade separated overpass

ADOT will be responsible for construction and maintenance of the US 60 SR 303 overpass over the BNSF tracks.

5. Project Funding

The project is funded by the Federal Highway Administration, the City of Surprise.

Federal \$49,900,975

State Funds: \$3,220,725

City of Surprise: \$102,500

This is a CAMR project BNSF review costs by agreement = \$30,000, Estimated Flagging Costs = 130 days x \$1800 = \$234,000

(Total = \$264,000)

Total project cost: \$53 Million

6. Other information (based on typical Staff Data Requests):

CW1-1 ADT: 2010 ADT is reported on the table below.

Table 1 – Existing Average Daily Traffic Volumes

Route	Number of Lanes	2010 ADT (veh/day)	Roadway Capacity (veh/day)
SR303L, at US60	2	12,510	19,835
US60, at SR303L	4	22,510	39,670

Source: Maricopa Association of Governments Transportation Data Management System (www.nagtrans.org)

CW1-2, Intersection LOS: two LOS on the table below.

Table 4 – 2010 Signalized Intersection LOS

Intersection	AM Peak Hour			PM Peak Hour		
	V/C ⁽¹⁾	Average Delay ⁽²⁾	LOS ⁽³⁾	V/C ⁽¹⁾	Average Delay ⁽²⁾	LOS ⁽³⁾
US60 & Frontage Road	0.51	18.0	B	0.56	18.3	B
SR303L & Frontage Rd	0.53	20.7	C	0.55	20.9	C

(1) = Volume to Capacity Ratio (2) = Average Delay in seconds (3) = Level of Service

CW1-3, Past Traffic Studies: A corridor study for improving US 60/SR303L Interim T.I. was performed in the March, 31 2011

CW1-4.Population: 119,489 - Jul 2011, Source: U.S. Census Bureau

CW1-5.Existing Railroad Safety Devices: Does not apply. This crossing will be grade separated.

CW1-6.Adjacent Public Crossings: The nearest public crossing of the BNSF is 163rd Avenue to the North (DOT # 025599G). Approximately 1 mile to the NE.

CW1-7.Grade Separation Study: Does not apply. This crossing will be grade separated

CW1-8.Grade Separation Cost: Cost of Entire project provided above.

CW1-9.Surrounding Zoning: Surrounding area is zoned for Residential.

CW1-10.Existing Train Movements: Per BNSF based on 4/29/14 information, 12 freight trains per day.

CW1-11.Nearest Schools: Desert Moon School is located approximately 2 miles North West of the crossing (23251 N 166th Dr. Surprise, AZ 85387).

CW1-12. Nearest Hospitals: Banner Del E. Webb Medical Center, 14502 W Meeker Blvd, Sun City West, AZ

CW1-13.Railroad Costs: Does not apply. This crossing will be grade separated.

CW1-14.Hazardous Materials traffic: It is not known how much hazardous materials traffic uses the existing crossing each day.

CW1-15.Speed Limit: SR303 has a posted speed limit of 50 mph.

CW1-16.Other bus use: Unknown.

CW1-17.Abandoned Railroad Spurs: Unknown if railroad spurs have been removed within a 10 mile radius.

CW1-18. Summary of FHWA grade separation guidelines: Does not apply. This crossing will be grade separated.

CW1-19.Expected traffic delay due to train traffic: Does not apply. This crossing will be grade separated.

Sincerely,

Sayeed M. Han

Sayeed M. Han
Utility Engineering Coordinator/ Railroad Liaison
205 S 17TH AVE, MD 618E
PHOENIX, AZ 85007
602.712.7555
Shani@azdot.gov



