



ORIGINAL NEW APPLICATION



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Public Works Department

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Arizona Corporation Commission

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May 6, 2011

ARIZONA CORPORATION COMMISSION
DOCKET CONTROL

Arizona Corporation Commission
Attention: Docket Control
1200 W. Washington St.
Phoenix, AZ. 85007

RR-03639A-11-0196

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RE: Proposed Modification to Union Pacific Railroad At-Grade Crossing for the Sahuarita Road Phase II Roadway Improvement Project (Town of Sahuarita, Arizona) Nogales Highway DOT Crossing No. 742-123K, UPRR M.P. 1002.85, Anamax Mine Spur

To ACC Docket Control:

Please accept this letter as application to upgrade an existing Union Pacific Railroad (UPRR) crossing as part of a Town of Sahuarita, Sahuarita Road Phase II roadway improvement project.

Location of the Crossing

The specific location of the existing crossing is near the intersection of Sahuarita Road and Nogales Highway within the Town of Sahuarita, Pima County, Arizona, and is further described as DOT Crossing Number 742-123K, UPRR M.P. 1002.85, on the Anamax Mine Spur Subdivision. Please see Attachment #1 for a project vicinity and location map.

The Town, UPRR, and ACC staffs have met several times since 2007 regarding this project. Most recently, a field diagnostic meeting was held at the project site on September 9, 2010. The on-site meeting discussions were generally consistent with the information provided within this application.

Why the crossing is needed

As part of the Sahuarita Road Phase II project, Nogales Highway will be realigned west of its current location to facilitate a separate/future Sahuarita Road grade-separated crossing of the UPRR Nogales subdivision tracks. The existing Nogales Highway at-grade crossing will require relocation and upgrading to match the location of the realigned Nogales Highway. UPRR has provided a new railroad M.P. of 18.85 on the Anamax Mine Spur Subdivision for the new crossing location. The new Nogales Highway will also be widened to accommodate a raised median, four travel lanes, paved shoulders, curb, and sidewalks in the vicinity of the railroad crossing. Please see Attachments #1 and #2 for conceptual sketches showing the proposed layout and at-grade crossing dimensions.

Why the proposed crossing can't be grade separated

Due to extremely low train volumes on the Anamax Mine Spur, existing and future adjacent land uses, proximity to the existing intersection of Sahuarita Road, existing subsurface soil conditions, and significant impacts to several regional utilities, a grade separated crossing has been eliminated from consideration. The horizontal and vertical geometry required for grade separated crossing would limit existing and future traffic movements to/from the four quadrants at Sahuarita Road/Nogales Highway, effect ongoing agricultural operations, and conflict with adjacent structures and private property. In addition, the relocation of Nogales Highway at-grade crossing promotes/facilitates a Sahuarita Road

grade separated crossing of the UPRR Nogales Subdivision that can be constructed as a future phase of the project. The Sahuarita Road crossing of the UPRR Nogales subdivision is a higher priority to the Town and UPRR. Additional detailed information will be provided to ACC staff as part of the application process.

Types of Warning Devices to be installed

The type of warning devices to be installed with the crossing upgrade includes advance warning signage/pavement markings as well as warning flashers and crossing gates to stop vehicular traffic while a train crosses Nogales Highway.

Who will maintain the crossing warning devices

UPRR will own and maintain the physical elements of the railroad crossing (crossing surface, gates, bells, flashers). The Town of Sahuarita will maintain the approaching roadway surface, signing, and pavement markings on the roadway approaches.

Who is funding the project

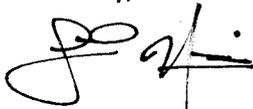
The Town of Sahuarita will be funding the construction of the crossing upgrade as part of its five-year Capital Improvement Plan (CIP) under Project #03P9B (Sahuarita Road Phase II). The project's funding covers both the roadway and railroad crossing improvements.

The Town looks forward to working with UPRR and the ACC on this important safety project. A public at-grade crossing agreement between the Town and UPRR is currently being prepared and will be provided to the docket upon finalization. Please send the necessary Procedural Order and/or any other additional information related to the hearing process directly to:

Town of Sahuarita - Department of Public Works
Attention: Joel T. Harris
375 W. Sahuarita Center Way
Sahuarita, Arizona 85269
jtharris@ci.sahuarita.az.us

If there are any questions regarding this application, please contact me at (520) 344-7100.

Sincerely,



Joel T. Harris, P.E.

Civil Engineer

Town of Sahuarita Public Works Department

Attachments to Application:

1. At-Grade Crossing Improvements – Location Map
2. At-Grade Crossing Improvements – Conceptual UPRR Crossing Design

Cc: Farhad Moghimi, Town of Sahuarita
Alexander Popovici, Union Pacific Railroad
Craig Allison, EEC
File

Arizona Corporation Commission - Application Information

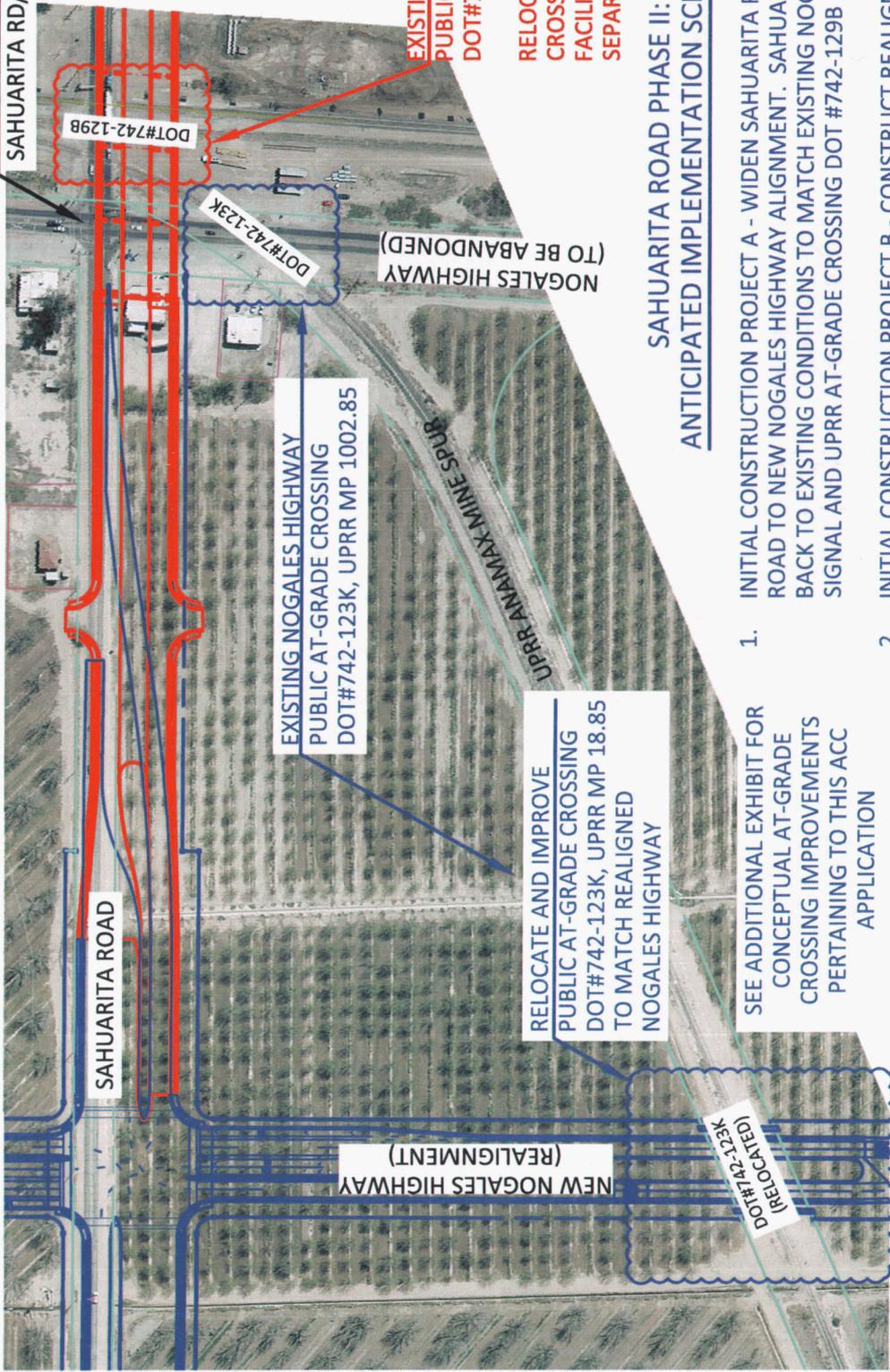
Sahuarita Road Phase II Roadway Improvement Project (Town of Sahuarita, Arizona)
Nogales Highway DOT Crossing No. 742-123K, UPRR M.P. 1002.85, Anamax Mine Spur

ATTACHMENT #1

**PROJECT LOCATION MAP
AT-GRADE CROSSING IMPROVEMENTS**

TO ACCOMPANY ACC APPLICATION - ATTACHMENT #1

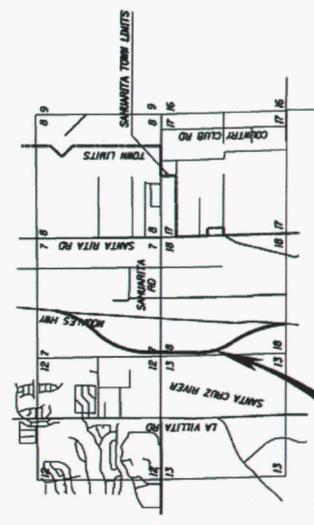
EXIST. SIGNALIZED TRAFFIC INTERSECTION SAHUARITA RD/NOGALES HWY



**SAHUARITA ROAD PHASE II:
ANTICIPATED IMPLEMENTATION SCHEDULE**

SEE ADDITIONAL EXHIBIT FOR CONCEPTUAL AT-GRADE CROSSING IMPROVEMENTS PERTAINING TO THIS ACC APPLICATION

1. INITIAL CONSTRUCTION PROJECT A - WIDEN SAHUARITA ROAD FROM LA VILLITA ROAD TO NEW NOGALES HIGHWAY ALIGNMENT. SAHUARITA ROAD WILL TAPER BACK TO EXISTING CONDITIONS TO MATCH EXISTING NOGALES HIGHWAY TRAFFIC SIGNAL AND UPRR AT-GRADE CROSSING DOT #742-129B
2. INITIAL CONSTRUCTION PROJECT B - CONSTRUCT REALIGNMENT OF NOGALES HIGHWAY AND ESTABLISH NEW SAHUARITA ROAD INTERSECTION AND TRAFFIC SIGNAL. CONSTRUCTION TO INCLUDE RELOCATED AT-GRADE CROSSING IMPROVEMENTS AT ANAMAX SPUR LINE. ONCE THE NEW INTERSECTION, TRAFFIC SIGNAL, AND RELOCATED AT-GRADE CROSSING ARE IN PLACE, ALL TRAFFIC CAN BE MOVED FROM THE EXISTING NOGALES HIGHWAY AND ELIMINATE TRAFFIC AT THE EXISTING SAHUARITA ROAD INTERSECTION & EXISTING DOT CROSSING #742-123K.
3. FUTURE CONSTRUCTION PROJECT - WIDEN SAHUARITA ROAD FROM NEW NOGALES HIGHWAY INTERSECTION TO EASTERN TOWN LIMITS. GRADE SEPARATE SAHUARITA ROAD OVER THE EXISTING UPRR NOGALES SUBDIVISION TRACKS (DOT CROSSING #742-129B)



VICINITY MAP
SECTIONS 7 & 18
T1/5, R1/4E, G&SRW
THIS PROJECT

PROJECT LOCATION MAP

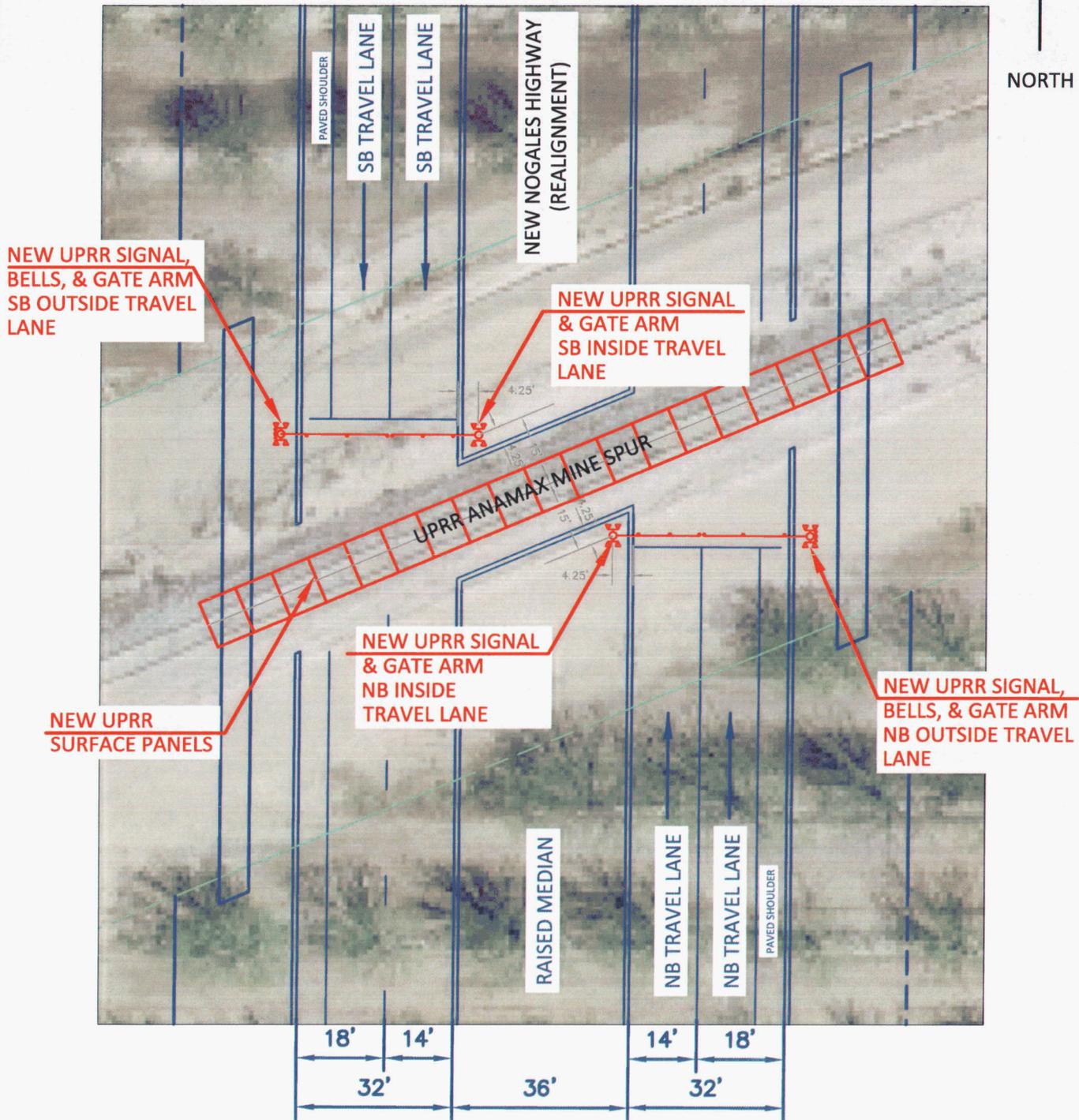
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ATTACHMENT #2

CONCEPTUAL UPRR CROSSING DESIGN

TO ACCOMPANY ACC APPLICATION - ATTACHMENT #2



CONCEPTUAL UPRR CROSSING DESIGN

