

NEW APPLICATION



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Town of

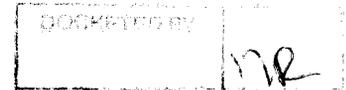
Public Works Department

2013 JUN 10 A 10 23

ARIZONA CORPORATION COMMISSION
DOCKET CONTROL

Arizona Corporation Commission
DOCKETED

JUN 10 2013



June 6, 2013

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

RR-03639A-13-0193

RE: Proposed Modification to Union Pacific Railroad Public At-Grade Crossing for the Sahuarita Road Phase II – Segment 2C Improvement Project (Town of Sahuarita, Arizona) Sahuarita Road DOT Crossing No. 742-129B, UPRR M.P. 18.55 Nogales Subdivision

To ACC Docket Control:

Please accept this letter as application to upgrade an existing Union Pacific Railroad (UPRR) public at-grade crossing as part of a Town of Sahuarita, Sahuarita Road Phase II – Segment 2C roadway improvement project.

Location of the Crossing

The specific location of the existing crossing is on Sahuarita Road approximately 2 miles east of Interstate-19 within the Town of Sahuarita, Pima County, Arizona, and is further described as DOT Crossing Number 742-129B, UPRR M.P. 18.55, on the Nogales Subdivision. Please see Attachment #1 for a project vicinity and location map as well a brief description of the project phasing (previous/ongoing phases include Segments 2A and 2B)

The Town, UPRR, and ACC staffs have met several times since 2007 regarding the overall Sahuarita Road Phase II project. Most recently, a field meeting with UPRR (specific to the Segment 2C project) was held at the crossing site on May 21, 2013. The latest meeting discussions between the Town and UPRR are consistent with the information provided within this application.

Why the crossing is needed

The Town's Sahuarita Road Phase II – Segment 2C project will widen Sahuarita Road based on the projected growth rates for the area and scope defined in the Regional Transportation Authority (RTA) plan that was approved by Pima County voters on May 16, 2006. Specifically, as part of the Segment 2C project, the existing two-lane Sahuarita Road will be widened to a four-lane divided roadway with a raised median, paved shoulders, vertical curbs, and sidewalks. The new roadway and median geometry will provide the necessary area to upgrade the existing public at-grade crossing with state-of-the-art UPRR crossing gates, signals, and surfaces.

Please see Attachments #1 and #2 for a description of the project phasing as well as conceptual sketches showing the proposed public at-grade crossing layout and dimensions.

Why the proposed crossing can't be grade separated

Based on existing and anticipated future traffic volumes, the FHWA warrants for a grade separated crossing are not met within the 20-year design horizon of the project (2030). In addition, the pre-existing roadway/crossing configuration will be significantly improved as a result of the Town's relocation of Nogales Highway and upgrades to the existing at-grade crossings on Sahuarita Road and Nogales Highway.

Ongoing construction of separate portions of the Sahuarita Road Phase II project (Segments 2A and 2B), will permanently relocate the intersection of Sahuarita Road/Nogales Highway approximately 1600' west of its original location. The relocation of this existing roadway intersection provides a physical separation between the Sahuarita Road/Nogales Highway traffic intersection and two existing public at-grade crossings of UPRR's tracks. This physical separation reduces the potential conflict between trains and vehicles at both the Nogales Subdivision and UPRR's Anamax Mine spur (DOT #742-123K). The Nogales Highway realignment also facilitates a potential/future opportunity for a Sahuarita Road grade-separated crossing of the UPRR Nogales subdivision tracks, should the grade-separation warrants be met beyond the 20-year design horizon of the project.

In summary, the Town's current Sahuarita Road Phase II project significantly upgrades two existing UPRR public at-grade crossings with state-of-the-art equipment and provides a physical separation between the UPRR crossings and signalized intersection of Sahuarita Road/Nogales Highway. The new roadway configurations will considerably increase the level of service on Sahuarita Road and Nogales Highway while also enhancing safety at the existing public at-grade crossings.

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 Sahuarita Road.

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 UPRR crossing upgrades as part of its five-year Capital Improvement Plan (CIP) under Project #03P9B (Sahuarita Road Phase II), in coordination with the Regional Transportation Authority (RTA) and Pima Association of Governments (PAG). The project's funding includes 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

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

Attachments to Application:

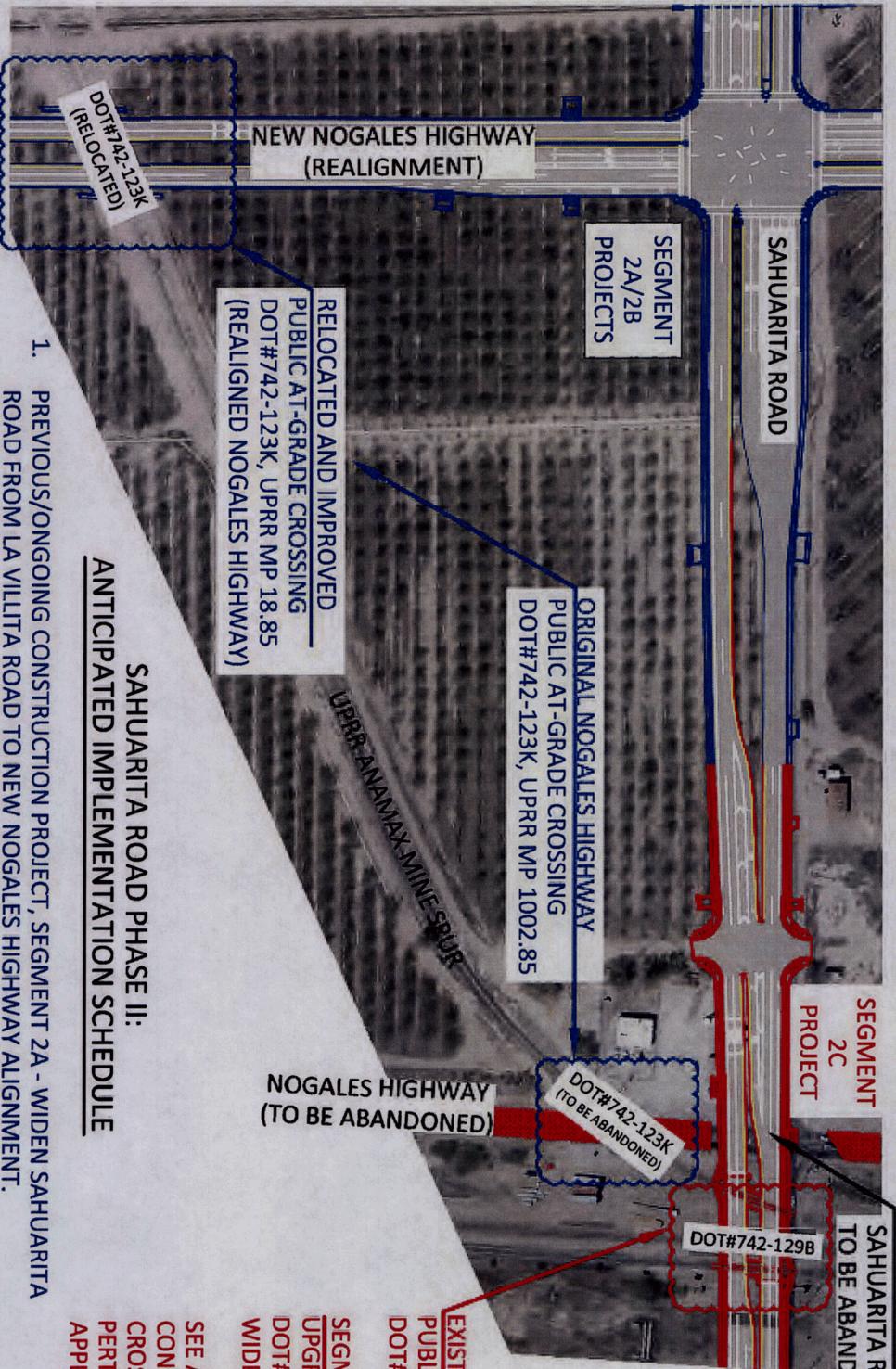
1. At-Grade Crossing Improvements – Location Map
2. At-Grade Crossing Improvements – Conceptual UPRR Crossing Design

Arizona Corporation Commission - Application Information

Sahuarita Road Phase II – Segment 2C Roadway Improvement Project (Town of Sahuarita, Arizona)
Sahuarita Road DOT Crossing No. 742-129B, UPRR M.P. 18.55 Nogales Subdivision

ATTACHMENT #1

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



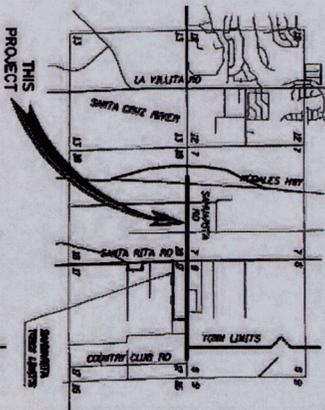
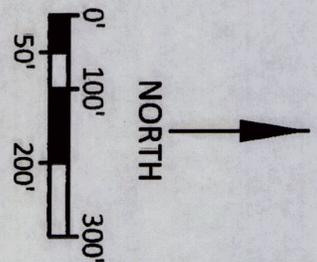
**SAHUARITA ROAD PHASE II:
ANTICIPATED IMPLEMENTATION SCHEDULE**

1. PREVIOUS/ONGOING CONSTRUCTION PROJECT, SEGMENT 2A - WIDEN SAHUARITA ROAD FROM LA VILLITA ROAD TO NEW NOGALES HIGHWAY ALIGNMENT.
2. PREVIOUS/ONGOING CONSTRUCTION PROJECT, SEGMENT 2B - CONSTRUCT REALIGNMENT OF NOGALES HIGHWAY AND ESTABLISH NEW SAHUARITA ROAD INTERSECTION AND TRAFFIC SIGNAL. CONSTRUCTION INCLUDES RELOCATED AT-GRADE CROSSING IMPROVEMENTS AT ANAMAX SPUR LINE.
3. FUTURE CONSTRUCTION PROJECT, SEGMENT 2C - WIDEN SAHUARITA ROAD TO FOUR LANE DIVIDED CROSS-SECTION FROM NEW NOGALES HIGHWAY INTERSECTION TO EASTERN TOWN LIMITS. AT-GRADE CROSSING OF SAHUARITA ROAD AT EXISTING UPRR NOGALES SUBDIVISION TRACKS (DOT CROSSING #742-129B)

**EXISTING SAHUARITA ROAD
PUBLIC AT-GRADE CROSSING
DOT#742-129B, UPRR MP 18.55**

**SEGMENT 2C IMPROVEMENTS:
UPGRADE CROSSING
DOT#742-129B (FOUR-LANE
WIDENING OF SAHUARITA ROAD)**

SEE ATTACHMENT #2 FOR
CONCEPTUAL AT-GRADE
CROSSING IMPROVEMENTS
PERTAINING TO THIS ACC
APPLICATION



**ACC APPLICATION
ATTACHMENT #1**

SAHUARITA ROAD PHASE II: PROJECT SEGMENT 2C

PROJECT LOCATION MAP

DOT #742-129B - UPRR M.P. 18.55 NOGALES SUBDIVISION

VICINITY MAP
SECTIONS 12 & 13
TOWNSHIP 16N, RANGE 18E
SECTIONS 7, 8, 9, 10
T17S, R18E, CASHW

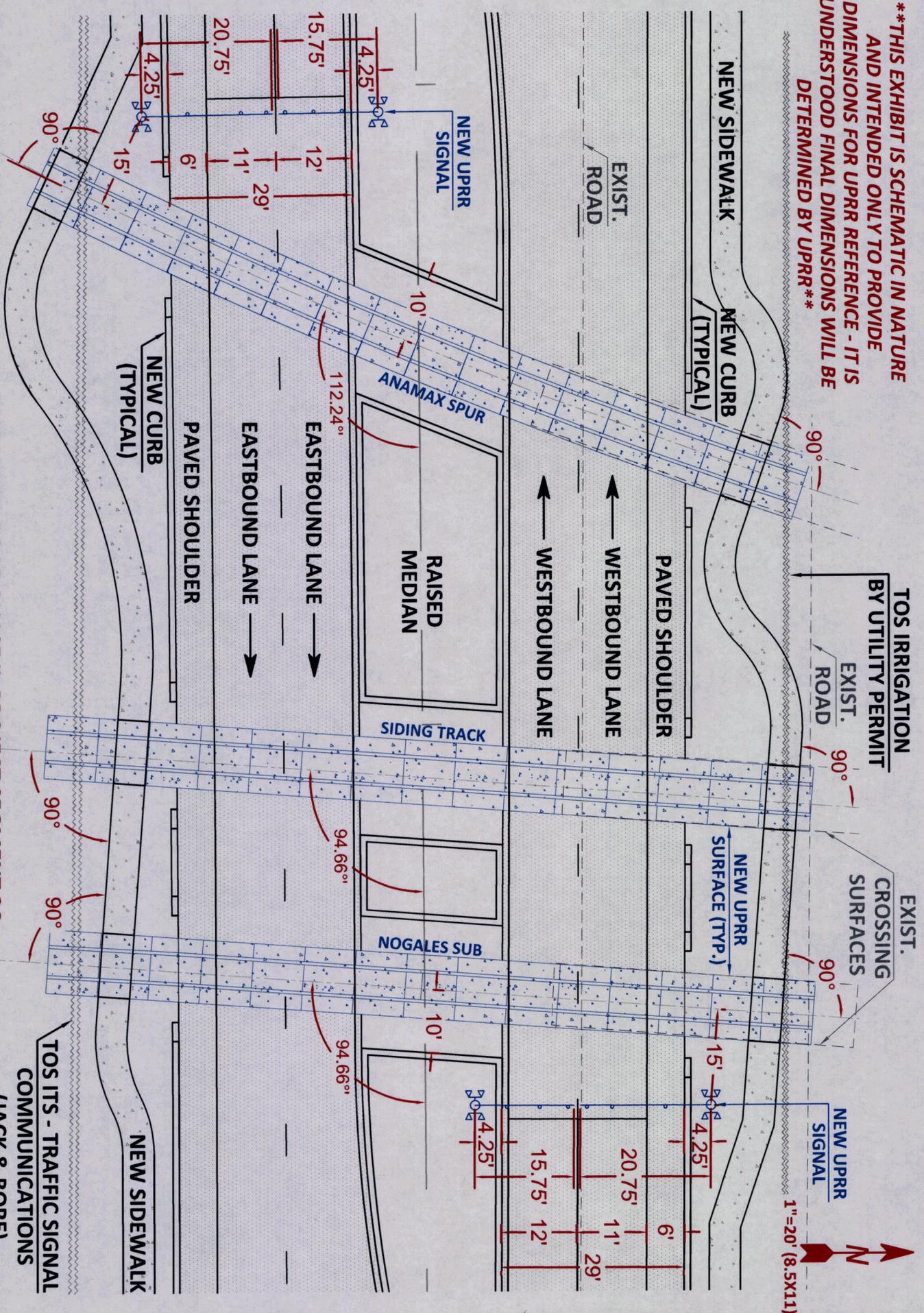
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Sahuarita Road DOT Crossing No. 742-129B, UPRR M.P. 18.55 Nogales Subdivision

ATTACHMENT #2

CONCEPTUAL UPRR CROSSING DESIGN

****THIS EXHIBIT IS SCHEMATIC IN NATURE AND INTENDED ONLY TO PROVIDE DIMENSIONS FOR UPRR REFERENCE - IT IS UNDERSTOOD FINAL DIMENSIONS WILL BE DETERMINED BY UPRR****



ACC APPLICATION
ATTACHMENT #2

SAHUARITA ROAD PHASE II: PROJECT SEGMENT 2C
CONCEPTUAL UPRR AT-GRADE CROSSING
DOT #742-129B · UPRR M.P. 18.55 NOGALES SUBDIVISION

TOS ITS - TRAFFIC SIGNAL
COMMUNICATIONS
(JACK & BORE)

CONCEPTUAL - MAY, 2013