

**Michael Baker**

**INTERNATIONAL**

# Vah Ki Inn Road – Main Street to Washington Street Sidewalk and Railroad Crossing Improvements

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## Final Pre-Scoping Report

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Prepared for:

ADOT – Multimodal Planning Division

ADOT Contract No. 2009-039.03

MPD Project Number: P170301P

City of Coolidge



January 18, 2017

S.O. No. 156219

GENERAL PROJECT INFORMATION	
<b>Date:</b> January 18, 2017	<b>ADOT Project Manager:</b> Dan Gabiou
<b>Project Name:</b> Vah Ki Inn Rd – Main St to Washington St	
<b>City/Town:</b> Coolidge	<b>County:</b> Pinal
<b>COG/MPO:</b> Sun Corridor	<b>ADOT District:</b> Southcentral
<b>Primary Route/Street:</b> Vah Ki Inn Rd	
<b>Beginning Limit:</b> Main St	
<b>End Limit:</b> Washington St	
<b>Project Length:</b> 1,800 feet, 0.35 miles	
<b>Right-of-Way Ownership(s)</b> (where proposed project construction would occur): <i>(Check all that apply)</i> <input checked="" type="checkbox"/> City/Town; <input type="checkbox"/> County; <input type="checkbox"/> ADOT; <input checked="" type="checkbox"/> Private; <input type="checkbox"/> Federal; <input type="checkbox"/> Tribal; <input checked="" type="checkbox"/> Other: Union Pacific Railroad	
<b>Adjacent Land Ownership(s):</b> <i>(Check all that apply)</i> <input type="checkbox"/> City/Town; <input type="checkbox"/> County; <input type="checkbox"/> ADOT; <input checked="" type="checkbox"/> Private; <input type="checkbox"/> Federal; <input type="checkbox"/> Tribal; <input checked="" type="checkbox"/> Other: Within UPRR R/W <a href="http://gis.azland.gov/webapps/parcel/">http://gis.azland.gov/webapps/parcel/</a>	

LOCAL PUBLIC AGENCY (LPA) or TRIBAL GOVERNMENT INFORMATION <i>(If applicable)</i>	
<b>LPA/Tribal Name:</b> City of Coolidge	
<b>LPA/Tribal Contact:</b> Matt Rencher	
<b>Email Address:</b> mrencher@coolidgeaz.com	<b>Phone Number:</b> 520-723-6004
<b>Administration:</b> <input checked="" type="checkbox"/> ADOT Administered <input type="checkbox"/> Self-Administered <input type="checkbox"/> Certification Acceptance	

PROJECT NEED
<p>Vah Ki Inn is currently a 2-lane road without any pedestrian facilities. Per the City of Coolidge general plan, this road is classified as a minor arterial. According to the general plan, a minor arterial is defined as follows:</p> <p><i>Minor Arterial: Higher speed, controlled access, divided roadway of two or more lanes in each direction connecting lower and higher functionally classified facilities as well as major activity centers, and facilitating access to and connectivity between larger land tracts and commercial developments.</i></p> <p>There is currently an existing UPRR at-grade railroad crossing located within the corridor which does not have any pedestrian facilities to allow pedestrians to safely cross the tracks. This portion of the corridor is also significantly elevated and has steep drop-offs on either side of the roadway, providing no safe refuge for pedestrians.</p> <p>In order to provide connectivity between existing developments to the east and the city center, a wider cross section as well as pedestrian facilities are required through this corridor. The existing UPRR railroad crossing requires widening to accommodate both the additional lanes as well as the new pedestrian facilities.</p>



**Planning Assistance for Rural Areas  
FINAL SCOPING REPORT**



PROJECT PURPOSE		
What is the Primary Purpose of the Project?	Preservation <input type="checkbox"/>	Modernization <input type="checkbox"/> Expansion <input checked="" type="checkbox"/>
<p>The purpose of this project is to upgrade Vah Ki Inn to a 5-lane cross section; 2 lanes in each direction plus a two-way left; as well as create an ADA accessible route for pedestrians traveling through the corridor.</p> <p>This project will include roadway widening, construction of new sidewalks, drainage improvements, signing and marking, lighting, widening of the existing railroad crossing, right of way acquisition, and utility relocation.</p> <p>This pre-scoping report identifies two alternatives. The first alternative is to construct the entire project in a single phase. Alternative 2 shows construction occurring in 3 phases:</p> <p>Phase 1: Main St to Sonora St Phase 2: Sonora St to California Ave Phase 3: California Ave to Washington St</p>		

**PROJECT RISKS**

Check any risks identified that may impact the project's scope, schedule, or budget:

<input type="checkbox"/> Access / Traffic Control / Detour Issues	<input checked="" type="checkbox"/> Right-of-Way
<input type="checkbox"/> Constructability / Construction Window Issues	<input checked="" type="checkbox"/> Environmental
<input checked="" type="checkbox"/> Stakeholder Issues	<input checked="" type="checkbox"/> Utilities
<input type="checkbox"/> Structures & Geotech	<input type="checkbox"/> Other:

**Risk Description:**

*Stakeholder Issues* – The railroad crossing requires coordination with UPRR. This coordination will need to be ongoing during both the design and construction phases of the project to ensure compliance with all UPRR standards and requirements. It is assumed that UPRR will construct the new crossing arms as well as the new widened concrete crossing, and the contractor will tie into these improvements. TCE's or new permanent easement may become necessary for the installation of the new sidewalks. Construction and Maintenance agreements will be required.

*Right-of-Way* – New right-of-way is required along the north side adjacent to the existing farmland. Early coordination will be required, but if eminent domain is determined necessary the project schedule could be delayed as a result. A new larger easement will be necessary within UPRR right of way to accommodate the proposed improvements.

*Utilities* – A requested Blue-stake design ticket identified the following utilities within the project vicinity:

Agency/Utility	Description	Agency/Utility	Description
APS	Electric	El Paso Natural Gas	Gas
Arizona Water Co	Water	Hohokam Irrigation and Drainage District	Electric
City of Coolidge	Reclaimed Water/Sewer	Level 3 Communications	Fiber
Cox	CATV, Fiber	San Carlos Irrigation Project	Electric
Centurylink	Coaxial, Fiber	Southwest Gas	Gas
Electrical District 2	Electric	Verizon	Fiber

There are numerous existing utility facilities within the roadway prism of this project, both overhead and underground. Existing overhead utility poles with power and telecommunications will need to be relocated and/or undergrounded. Existing above-ground power, gas, and telecommunication boxes will need to be relocated. At this time it is assumed that all relocations will be paid for by the project, not the utility companies.

*Environmental* – There are no significant environmental concerns on this project. The environmental clearance will need to utilize ADOTs Categorical Exclusion (CE) checklist to provide the appropriate documentation for this project. Key issues to evaluate include a Preliminary Initial Site Assessment (PISA), a literature review for cultural resources, a review of the Arizona Game and Fish On line Environmental review tool, and the USFWS species list. The project location is within the west Pinal Moderate PM10 Nonattainment area for the National Ambient Air Quality Standards. This will require a review for conformance to the State implementation plan. If any areas near the project area have not been surveyed for cultural resources in the past 10 years, a pedestrian survey should be completed as part of the clearance effort. The approximate timeline for processing clearances is about 12 months. The project team should allow adequate time to obtain the environmental clearances and work closely with ADOT environmental planners to define what timeline is necessary for this project. An AZPDES permit will be required to comply with the construction general permit for construction activities.



**Planning Assistance for Rural Areas  
FINAL SCOPING REPORT**

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**POTENTIAL FUNDING SOURCE(S)**

Anticipated Project Design/Construction Funding Type: <i>(Check all that apply)</i>	<input checked="" type="checkbox"/> STBG	<input type="checkbox"/> TAP	<input type="checkbox"/> HSIP	<input type="checkbox"/> State
	<input checked="" type="checkbox"/> Local	<input type="checkbox"/> Private	<input type="checkbox"/> Tribal	<input type="checkbox"/> Other:

**COST ESTIMATE**

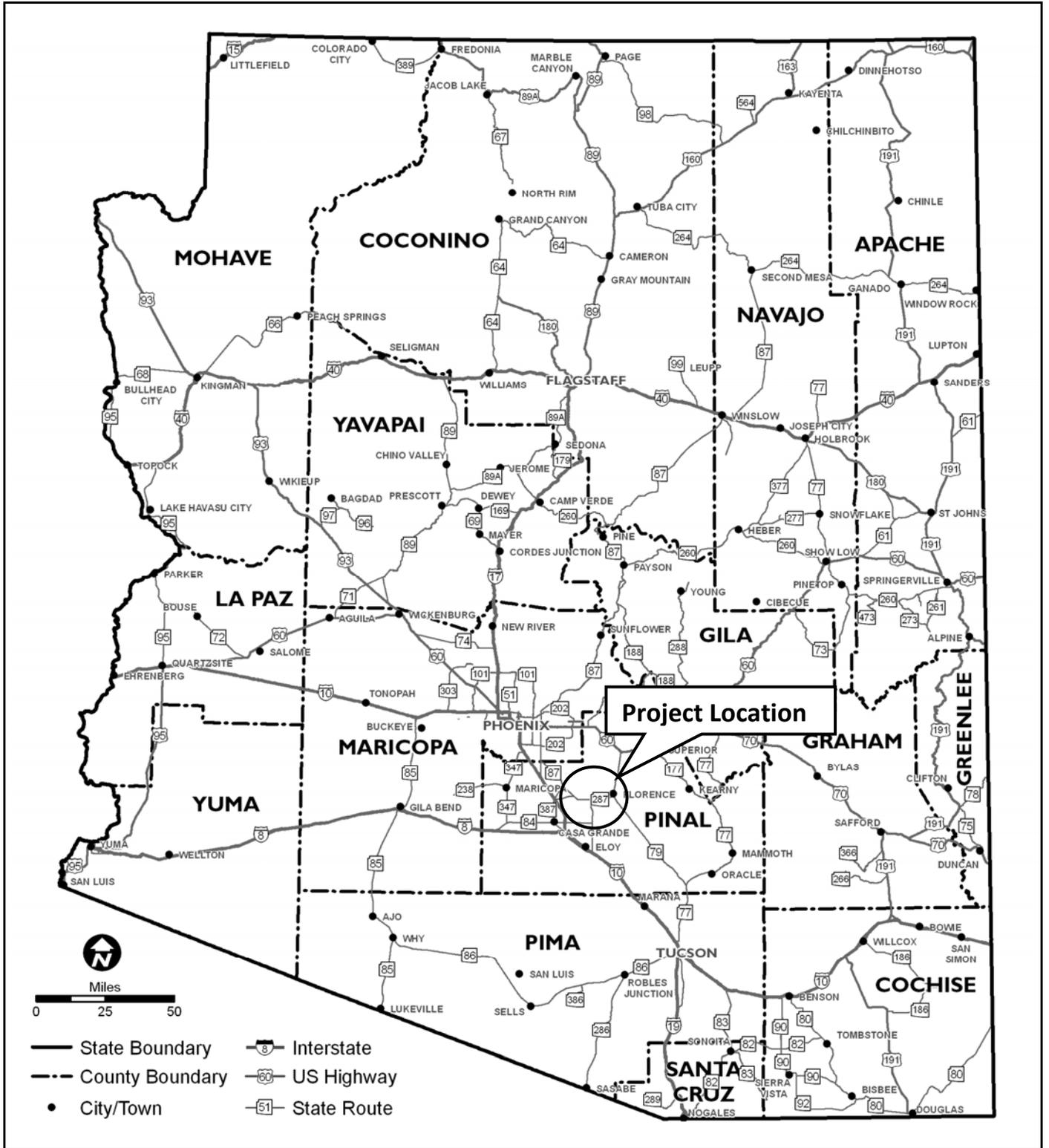
Preliminary Engineering \$52,000	Design \$426,000	Right-of-Way \$150,000	Construction \$4,117,000	Total \$4,745,000
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**RECOMMENDED PROJECT DELIVERY**

<b>Delivery:</b> <input checked="" type="checkbox"/> Design-Bid-Build	<input type="checkbox"/> Design-Build	<input type="checkbox"/> Other:
<b>Design Program Year: FY</b>		
<b>Construction Program Year: FY</b>		

**ATTACHMENTS**

- 1) State Location Map
- 2) Project Vicinity Map
- 3) Project Scope of Work
- 4) Project Schedule
- 5) Itemized Cost Estimate
- 6) Final Field Review Report





**SCOPE OF WORK**

This project will widen Vah Ki Inn between Main St and Washington St from a 2 lane section to a 5 lane section with sidewalks. The project limits are identified within this pre-scoping report (refer to Attachment 2). The following represents the scope of work:

**PRE-CONSTRUCTION**

- Coordinate with UPRR to establish construction schedule for the widening of the existing crossing as well as determine new easement requirements.
- Determine right of way and TCE requirements necessary for construction.
- Determine utility within the roadway and identify potential conflicts with the widening as well as prior-rights claims from utility companies.
- Coordinate with utility companies to determine relocation schedules.

**CONSTRUCTION**

- There are vacant/undeveloped parcels adjacent to the project limits which the contractor may negotiate as a stockpiling/staging area. The contractor will be responsible for securing this area.
- Regrade new roadway prism, including required borrow to bring the existing drop-offs up to the necessary height.
- Install conduit, pullboxes, and conductors for new roadway lighting
- Remove existing CMP culvert and replace with new culvert
- Sawcut existing pavement edges to provide a smooth joint for new widened pavement.
- Construct new drainage scuppers
- Construct new curb and gutter, curb returns, sidewalks, and sidewalk ramps
- Mill existing pavement.
- Construct new pavement section on either side of existing pavement
- Perform final lift and fill operations on pavement
- Install new roadway striping
- Remove, relocate, and add new signage
- Install roadway lighting
- Survey and layout
- Traffic control

**SCOPE ITEMS CONSIDERED, BUT NOT INCLUDED**

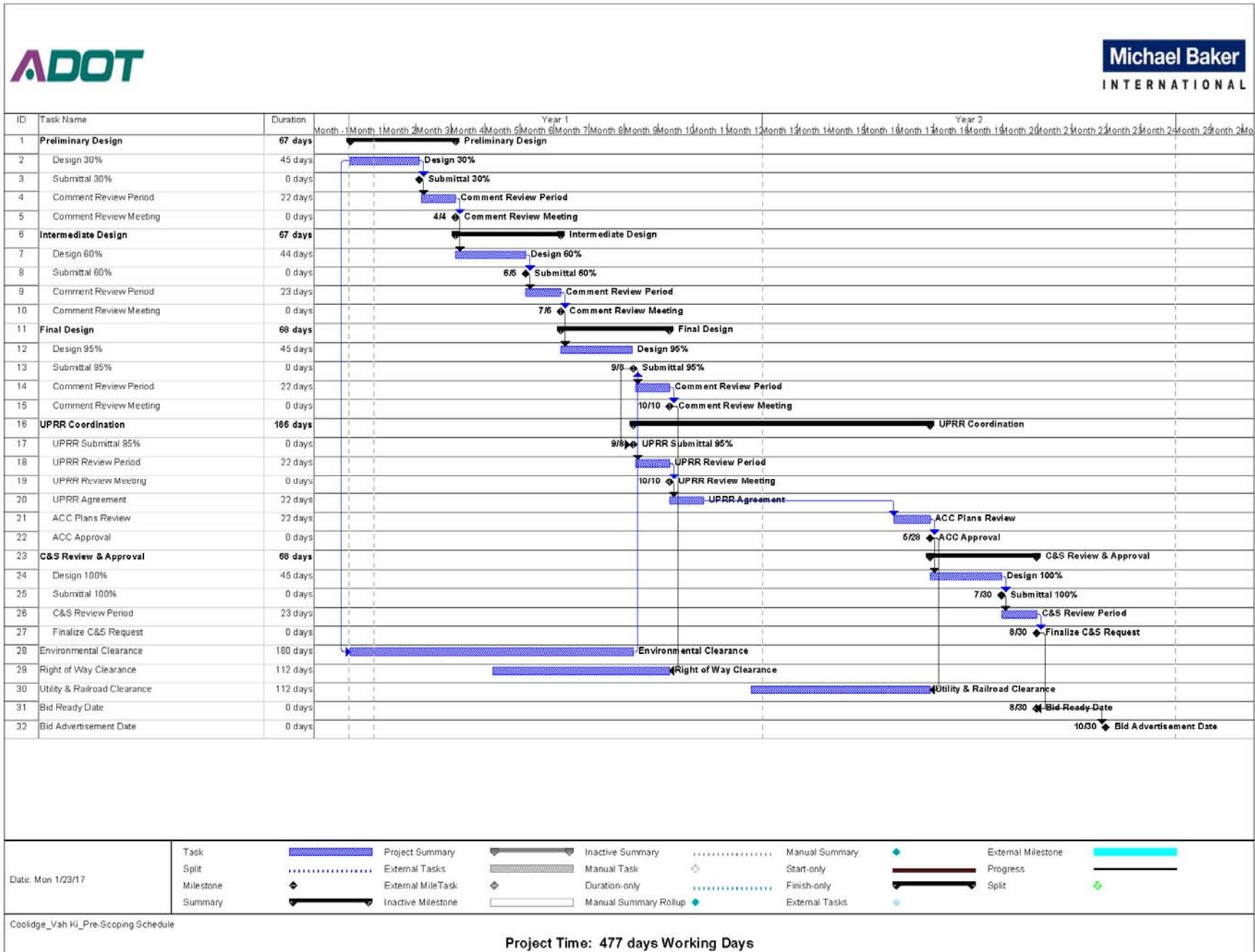
*(Describe scope items considered, but not accepted by the Pre-Scoping Team and why)*

- Fencing within UPRR right of way was requested by City of Coolidge, but eliminated due to the limits of the project.

The below 23 USC 409 disclaimer is to be included in the Final Pre-Scoping Report and Field Review Report:

*Pursuant to 23 USC 409: Notwithstanding any other provision of law, reports, surveys, schedules, lists, or data compiled or collected for the purpose of identifying, evaluating, or planning the safety enhancement of potential accident sites, hazardous roadway conditions, or rail-way-highway crossings, pursuant to sections 130, 144, and 148 [152] of this title or for the purpose of developing any highway safety construction improvement project which may be implemented utilizing Federal-aid highway funds shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location mentioned or addressed in such reports, surveys, schedules, lists, or data.*

# ATTACHMENT 4 – PROJECT SCHEDULE



Project Time: 477 days Working Days

## ATTACHMENT 5 – ITEMIZED COST ESTIMATES VAH KI INN ROAD SINGLE PHASE

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
2010001	CLEARING AND GRUBBING	L.SUM	1	\$ 10,000	\$ 10,000
2020001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.SUM	1	\$ 15,000	\$ 15,000
2020034	REMOVAL OF SIGNS	L.SUM	1	\$ 4,500	\$ 4,500
2020041	REMOVAL OF PIPE	L.FT.	50	\$ 20	\$ 1,000
2020083	REMOVE BITUMINOUS PAVEMENT (MILLING) (2")	SQ.YD.	5450	\$ 2	\$ 10,900
2020201	SAW CUTTING	L.FT.	3500	\$ 1	\$ 3,500
2030301	ROADWAY EXCAVATION	CU.YD.	1000	\$ 15	\$ 15,000
2030401	DRAINAGE EXCAVATION	CU.YD.	18	\$ 15	\$ 270
2030901	BORROW	CU.YD.	3970	\$ 45	\$ 178,650
2090005	FURNISH WATER	M.GAL.	360	\$ 20	\$ 7,200
3030023	AGGREGATE BASE, CLASS 3	CU.YD.	1170	\$ 90	\$ 105,300
4060006	ASPHALTIC CONCRETE (3/4" MIX)	TON	2390	\$ 120	\$ 286,800
5010011	PIPE, CORRUGATED METAL, 24"	L.FT.	110	\$ 100	\$ 11,000
6080107	MISCELLANEOUS WORK (SIGNS)	L.SUM	1	\$ 8,600	\$ 8,600
7041501	PAVEMENT MARKINGS	L.SUM	1	\$ 27,500	\$ 27,500
7360300	ROADWAY LIGHTING	L.SUM	1	\$ 100,700	\$ 100,700
9080001	CONCRETE CURB (C-05.10) (TYPE A)	L.FT.	400	\$ 18	\$ 7,200
9080092	CONCRETE CURB AND GUTTER (C-05.10)(TYPE A) (6")	L.FT.	3500	\$ 18	\$ 63,000
9080201	CONCRETE SIDEWALK (C-05.20)	SQ.FT.	17500	\$ 10	\$ 175,000
9080296	CONCRETE SIDEWALK RAMP (C-05.30)	EACH	14	\$ 1,500	\$ 21,000
9080511	SCUPPER (MAG DET. 203)	EACH	6	\$ 1,000	\$ 6,000
9240050	MISCELLANEOUS WORK (UP RAILROAD CROSSING)	L.SUM	1	\$ 360,000	\$ 360,000
9240051	MISCELLANEOUS WORK (UTILITY RELOCATIONS)	L.SUM	1	\$ 1,300,000	\$ 1,300,000
	<b>Subtotal</b>				<b>\$ 2,718,120</b>
	Miscellaneous Work (15%)				\$ 407,718
	Erosion Control (1%)				\$ 27,181
	Maintenance and Protection of Traffic (15%)				\$ 407,718
	Mobilization (10%)				\$ 271,812
	Indirect Cost Allocation (ICAP) (10.35%)				\$ 281,325
	<b>Construction Subtotal</b>				<b>\$ 4,113,875</b>
	Right of Way and TCE Requirements				\$ 150,000
	<b>Right of Way Subtotal</b>				<b>\$ 150,000</b>
	Preliminary and Design Engineering (10%)				\$ 411,387
	ADOT PMDR Fee				\$ 30,000
	NEPA Fee				\$ 40,000
	<b>Design Subtotal</b>				<b>\$ 481,387</b>
	<b>Total Cost</b>				<b>\$ 4,745,262</b>

**ATTACHMENT 5 – ITEMIZED COST ESTIMATES  
VAH KI INN ROAD  
MULTI-PHASE - PHASE 1**

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
2010001	CLEARING AND GRUBBING	L.SUM	1	\$ 5,000	\$ 5,000
2020001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.SUM	1	\$ 5,000	\$ 5,000
2020034	REMOVAL OF SIGNS	L.SUM	1	\$ 1,500	\$ 1,500
2020041	REMOVAL OF PIPE	L.FT.	50	\$ 20	\$ 1,000
2020083	REMOVE BITUMINOUS PAVEMENT (MILLING) (2")	SQ.YD.	1680	\$ 2	\$ 3,360
2020201	SAW CUTTING	L.FT.	1080	\$ 1	\$ 1,080
2030301	ROADWAY EXCAVATION	CU.YD.	110	\$ 15	\$ 1,650
2030401	DRAINAGE EXCAVATION	CU.YD.	18	\$ 15	\$ 270
2030901	BORROW	CU.YD.	2660	\$ 45	\$ 119,700
2090005	FURNISH WATER	M.GAL.	110	\$ 20	\$ 2,200
3030023	AGGREGATE BASE, CLASS 3	CU.YD.	360	\$ 90	\$ 32,400
4060006	ASPHALTIC CONCRETE (3/4" MIX)	TON	740	\$ 120	\$ 88,800
5010011	PIPE, CORRUGATED METAL, 24"	L.FT.	110	\$ 100	\$ 11,000
6080107	MISCELLANEOUS WORK (SIGNS)	L.SUM	1	\$ 5,200	\$ 5,200
7041501	PAVEMENT MARKINGS	L.SUM	1	\$ 8,100	\$ 8,100
7360300	ROADWAY LIGHTING	L.SUM	1	\$ 29,000	\$ 29,000
9080001	CONCRETE CURB (C-05.10) (TYPE A)	L.FT.	400	\$ 18	\$ 7,200
9080092	CONCRETE CURB AND GUTTER (C-05.10)(TYPE A) (6")	L.FT.	1080	\$ 18	\$ 19,440
9080201	CONCRETE SIDEWALK (C-05.20)	SQ.FT.	5400	\$ 10	\$ 54,000
9080296	CONCRETE SIDEWALK RAMP (C-05.30)	EACH	8	\$ 1,500	\$ 12,000
9080511	SCUPPER (MAG DET. 203)	EACH	2	\$ 1,000	\$ 2,000
9240050	MISCELLANEOUS WORK (UP RAILROAD CROSSING)	L.SUM	1	\$ 360,000	\$ 360,000
9240051	MISCELLANEOUS WORK (UTILITY RELOCATIONS)	L.SUM	1	\$ 1,200,000	\$ 1,200,000
	<b>Subtotal</b>				<b>\$ 1,969,900</b>
	Miscellaneous Work (15%)				\$ 295,485
	Erosion Control (1%)				\$ 19,699
	Maintenance and Protection of Traffic (15%)				\$ 295,485
	Mobilization (10%)				\$ 196,990
	Indirect Cost Allocation (ICAP) (10.35%)				\$ 203,885
	<b>Construction Subtotal</b>				<b>\$ 2,981,444</b>
	Right of Way and TCE Requirements				\$ 50,000
	<b>Right of Way Subtotal</b>				<b>\$ 50,000</b>
	Preliminary and Design Engineering (10%)				\$ 298,144
	ADOT PMDR Fee				\$ 30,000
	NEPA Fee				\$ 40,000
	<b>Design Subtotal</b>				<b>\$ 368,144</b>
	<b>Total Cost</b>				<b>\$ 3,399,588</b>

**ATTACHMENT 5 – ITEMIZED COST ESTIMATES  
VAH KI INN ROAD  
MULTI-PHASE - PHASE 2**

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
2010001	CLEARING AND GRUBBING	L.SUM	1	\$ 5,000	\$ 5,000
2020001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.SUM	1	\$ 5,000	\$ 5,000
2020034	REMOVAL OF SIGNS	L.SUM	1	\$ 1,500	\$ 1,500
2020083	REMOVE BITUMINOUS PAVEMENT (MILLING) (2")	SQ.YD.	1960	\$ 2	\$ 3,920
2020201	SAW CUTTING	L.FT.	1260	\$ 1	\$ 1,260
2030301	ROADWAY EXCAVATION	CU.YD.	360	\$ 15	\$ 5,400
2030901	BORROW	CU.YD.	1170	\$ 45	\$ 52,650
2090005	FURNISH WATER	M.GAL.	130	\$ 20	\$ 2,600
3030023	AGGREGATE BASE, CLASS 3	CU.YD.	420	\$ 90	\$ 37,800
4060006	ASPHALTIC CONCRETE (3/4" MIX)	TON	860	\$ 120	\$ 103,200
6080107	MISCELLANEOUS WORK (SIGNS)	L.SUM	1	\$ 2,500	\$ 2,500
7041501	PAVEMENT MARKINGS	L.SUM	1	\$ 10,800	\$ 10,800
7360300	ROADWAY LIGHTING	L.SUM	1	\$ 36,000	\$ 36,000
9080092	CONCRETE CURB AND GUTTER (C-05.10)(TYPE A) (6")	L.FT.	1260	\$ 18	\$ 22,680
9080201	CONCRETE SIDEWALK (C-05.20)	SQ.FT.	6300	\$ 10	\$ 63,000
9080296	CONCRETE SIDEWALK RAMP (C-05.30)	EACH	4	\$ 1,500	\$ 6,000
9080511	SCUPPER (MAG DET. 203)	EACH	2	\$ 1,000	\$ 2,000
9240051	MISCELLANEOUS WORK (UTILITY RELOCATIONS)	L.SUM	1	\$ 60,000	\$ 60,000
	<b>Subtotal</b>				<b>\$ 421,310</b>
	Miscellaneous Work (15%)				\$ 63,197
	Erosion Control (1%)				\$ 4,213
	Maintenance and Protection of Traffic (15%)				\$ 63,197
	Mobilization (10%)				\$ 42,131
	Indirect Cost Allocation (ICAP) (10.35%)				\$ 43,606
	<b>Construction Subtotal</b>				<b>\$ 637,653</b>
	Right of Way and TCE Requirements				\$ 25,000
	<b>Right of Way Subtotal</b>				<b>\$ 25,000</b>
	Preliminary and Design Engineering (10%)				\$ 63,765
	ADOT PMDR Fee				\$ 30,000
	NEPA Fee				\$ 40,000
	<b>Design Subtotal</b>				<b>\$ 133,765</b>
	<b>Total Cost</b>				<b>\$ 796,418</b>

**ATTACHMENT 5 – ITEMIZED COST ESTIMATES  
VAH KI INN ROAD  
MULTI-PHASE - PHASE 3**

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
2010001	CLEARING AND GRUBBING	L.SUM	1	\$ 5,000	\$ 5,000
2020001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.SUM	1	\$ 5,000	\$ 5,000
2020034	REMOVAL OF SIGNS	L.SUM	1	\$ 1,500	\$ 1,500
2020083	REMOVE BITUMINOUS PAVEMENT (MILLING) (2")	SQ.YD.	1810	\$ 2	\$ 3,620
2020201	SAW CUTTING	L.FT.	1160	\$ 1	\$ 1,160
2030301	ROADWAY EXCAVATION	CU.YD.	530	\$ 15	\$ 7,950
2030901	BORROW	CU.YD.	140	\$ 45	\$ 6,300
2090005	FURNISH WATER	M.GAL.	130	\$ 20	\$ 2,600
3030023	AGGREGATE BASE, CLASS 3	CU.YD.	390	\$ 90	\$ 35,100
4060006	ASPHALTIC CONCRETE (3/4" MIX)	TON	790	\$ 120	\$ 94,800
6080107	MISCELLANEOUS WORK (SIGNS)	L.SUM	1	\$ 900	\$ 900
7041501	PAVEMENT MARKINGS	L.SUM	1	\$ 8,600	\$ 8,600
7360300	ROADWAY LIGHTING	L.SUM	1	\$ 35,700	\$ 35,700
9080092	CONCRETE CURB AND GUTTER (C-05.10)(TYPE A) (6")	L.FT.	1160	\$ 18	\$ 20,880
9080201	CONCRETE SIDEWALK (C-05.20)	SQ.FT.	5800	\$ 10	\$ 58,000
9080296	CONCRETE SIDEWALK RAMP (C-05.30)	EACH	2	\$ 1,500	\$ 3,000
9080511	SCUPPER (MAG DET. 203)	EACH	2	\$ 1,000	\$ 2,000
9240051	MISCELLANEOUS WORK (UTILITY RELOCATIONS)	L.SUM	1	\$ 40,000	\$ 40,000
	<b>Subtotal</b>				<b>\$ 332,110</b>
	Miscellaneous Work (15%)				\$ 49,817
	Erosion Control (1%)				\$ 3,321
	Maintenance and Protection of Traffic (15%)				\$ 49,817
	Mobilization (10%)				\$ 33,211
	Indirect Cost Allocation (ICAP) (10.35%)				\$ 34,373
	<b>Construction Subtotal</b>				<b>\$ 502,648</b>
	Right of Way and TCE Requirements				\$ 75,000
	<b>Right of Way Subtotal</b>				<b>\$ 75,000</b>
	Preliminary and Design Engineering (10%)				\$ 50,265
	ADOT PMDR Fee				\$ 30,000
	NEPA Fee				\$ 40,000
	<b>Design Subtotal</b>				<b>\$ 120,265</b>
	<b>Total Cost</b>				<b>\$ 697,913</b>



**ATTACHMENT 6 – FINAL FIELD REIVEW REPORT**



**The final field review report is included in following pages.**



## PLANNING ASSISTANCE FOR RURAL AREAS PRELIMINARY SCOPING FIELD REVIEW REPORT

The purpose of Preliminary Scoping (Pre-Scoping) is to more accurately develop a project's Scope of Work (SOW), Schedule, and Itemized Cost Estimate prior to programming a project in a Transportation Improvement Program (TIP). This process will help to streamline project design by reducing upfront work, scope changes, project delays, and TIP Amendments.

The information gathered from the Pre-Scoping Field Review Report will be used to develop the project's SOW, Schedule, and Itemized Cost Estimate, which will be summarized in the Pre-Scoping Report.

Pre-Scoping Field Review Forms are to be completed by functional groups responsible for each area as needed (based on the project scope). Not all projects will require all Field Review Forms to be filled out.

Field Review Form	Name	Date Completed
Background Data	Natalie Carrick, Baker	11/10/16
District – Constructability	Emily Dawson, ADOT	11/10/16
District – Maintenance		
Environmental		
Geotechnical		
Pavement / Materials		
Right-of-Way		
Roadway / Drainage	Evan Carbonneau, Baker	11/10/16
Traffic / Safety		
Utilities	Monica Fox, ADOT	11/10/16

The below 23 USC 409 disclaimer is to be included in the Final Pre-Scoping Report and Field Review Report:

**23 USC 409 Disclaimer:**

*Notwithstanding any other provision of law, reports, surveys, schedules, lists, or data compiled or collected for the purpose of identifying, evaluating, or planning the safety enhancement of potential accident sites, hazardous roadway conditions, or rail-way-highway crossings, pursuant to sections 130, 144, and 148 [152] of this title or for the purpose of developing any highway safety construction improvement project which may be implemented utilizing Federal-aid highway funds shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location mentioned or addressed in such reports, surveys, schedules, lists, or data.*

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**BACKGROUND DATA**  
(To be completed prior to KOM and Field Review)

**Previous Projects**

ADOT / LPA / Tribal Project Number	Begin Milepost / Cross Street	End Milepost / Cross Street	Length (miles)	As-Built Date	Description

To 'check' boxes, double click and select 'checked' in the Default value box

ITEM	YES	NO	If Yes, Describe (or see below)
Past Study Completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Findings: Vah Ki Inn Rd between Main St and Washington St is listed as a Priority Sidewalks Improvement Corridor.
Project included in TIP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Current Design FY: 2017 Current Construction FY: 2018
Is AADT available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2,763 vpd (2014); Between Main St and Sonora St
Is crash data available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If Yes, attach available crash data to this form
Known Transit needs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bus stop signage and bus shelters
Known Freight needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Known Railroad needs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Crossing widening necessary for new 5 lane roadway section
Known Airport needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Known Bike needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Known Pedestrian / ADA needs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide sidewalks with ADA ramps between Main St and Washington St
Other needs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Widen roadway to accommodate 2 lanes in each direction with TWLTL

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**DISTRICT - CONSTRUCTION FIELD REVIEW FORM**

To 'check' boxes, double click and select 'checked' in the Default value box

ITEM	ITEM NEEDED			LOCATION / QUANTITY / NOTES
	YES	NO	MAYBE	
Detour <sup>a</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Detour will be needed when railroad crossing is improved
Temporary Construction <sup>a</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Staging <sup>a</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Innovative Contracting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Traffic Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

Coordination with the Railroad for the design of the widened crossing.

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**DISTRICT - MAINTENANCE FIELD REVIEW FORM**

To 'check' boxes, double click and select 'checked' in the Default value box

ITEM	ITEM NEEDED			LOCATION / QUANTITY / NOTES
	YES	NO	MAYBE	
Striping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New striping from Main St to Washington
Signing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approx 11 signs will need to be removed due to new sidewalks, new signs to be installed.
Lighting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing lighting to be maintained.
Curb & Gutter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approx. 1800 LF on both sides of the roadway
Low gravel shoulder correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Guard Rail Repair	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fencing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fencing is requested within Railroad ROW, coordination with Railroad required to determine feasibility
Noisewall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Drainage Repair	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing drainage culvert parallel to railroad is crushed and needs replacement
Erosion Area Correction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Erosion of side slopes near railroad crossing needs to be addressed
Flooding Area Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Snow Trap, Storage, Icing Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RWIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Anti-Icing System	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Frost Heave Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rest Area Work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Landscaping	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Millings needed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other salvage items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

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Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**ENVIRONMENTAL FIELD REVIEW FORM**

To 'check' boxes, double click and select 'checked' in the Default value box

ITEM	YES	NO	MAYBE	LOCATION / NOTES / BUDGET-SCHEDULE IMPACTS
4(f) / 6(f) sites	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Extensive Cultural/Historical Work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Title VI/Environmental Justice Populations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Noise Concerns	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Jurisdictional Waters or Wetlands	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Floodplain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
State/Federal T&E Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wildlife Crossing Concerns	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hazmat or Contaminated site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Illegal dumping in area between Central Avenue and Vah Ki Inn
Prime or Unique Farmland	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Air Quality Nonattainment or Maintenance Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coolidge is within west Pinal Moderate PM10 Nonattainment Area
Noxious or Invasive Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visual Quality Concerns	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Public Involvement Required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Significant Environmental Impacts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Avoidance Areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<b>Anticipated NEPA Clearance Type</b>	Categorical Exclusion (CE) <input checked="" type="checkbox"/>	Environmental Assessment (EA) <input type="checkbox"/>	Environmental Impact Statement (EIS) <input type="checkbox"/>	N/A (No federal funds anticipated) <input type="checkbox"/>
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<b>Anticipated Permits Needed</b>	Section 404 Permit: Nationwide Permit <input type="checkbox"/> Individual Permit <input type="checkbox"/>	Individual Section 401 Certification <input type="checkbox"/>	Section 402 Permit: AZPDES <input checked="" type="checkbox"/> NPDES <input type="checkbox"/>
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Comments and Risk Identification:

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

### GEOTECHNICAL FIELD REVIEW FORM

To 'check' in the check boxes, double click and click on 'checked' in the Default value box

ITEM	YES	NO	MAYBE	LOCATION / NOTES / BUDGET-SCHEDULE IMPACTS
Will geotechnical borings be required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Est Drilling/Excavation Depth:
Will rock coring be required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Will test pits be required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Est Drilling/Excavation Depth:
Is site accessible by a 4-wheel vehicle, backhoe, or trackhoe?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Will a seismic refraction survey be required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Will geologic mapping be required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Will soil/rock lab testing be required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Will geotechnical investigation require a separate Environmental Clearance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**PAVEMENT / MATERIALS FIELD REVIEW FORM**

To 'check' in the check boxes, double click and click on 'checked' in the Default value box

ITEM		ITEM NEEDED			LOCATION / QUANTITY / NOTES
		YES	NO	MAYBE	
Hot Mix Asphaltic Concrete Pavement	Minor Rehab/Preventative Maint (Chip Seal, Slurry Seal, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>(include lane width)</i>
	Major Rehab (Mill & Replace Only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Based on visual inspection, pavement condition is acceptable for a Mill & Replace
	Major Rehab (Mill, Replace & Overlay)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Major Rehab (Overlay Only)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Reconstruction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>(include lane width)</i>
	Widening/Adding Turn Lanes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Widening from 2 lane section to 5 lane section
	Pavement Core	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Falling Weight Deflectometer Test	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Portland Cement Concrete Pavement	Joint Repairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Dowel Bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Major CPR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Minor CPR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Widening/Turn Lanes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Pavement Core	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sub- surface	Aggregate Base Improvement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New base will be required for widening
	Subgrade Improvement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New subgrade will be required for widening and sidewalk
	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Shl- der	Shoulder Work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>(include shoulder width)</i>
	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Edge Drains	Edge Drain Video Insp	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Edge Drain Flushing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	New Edge Drains	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**RIGHT-OF-WAY FIELD REVIEW FORM**

To 'check' boxes, double click and select 'checked' in the Default value box

Location	Existing ROW Width	Owner	Comments
Vah Ki Inn Rd – Main St to Washington St		City of Coolidge	

List all adjacent land owners within the project limits	<p><b>Southern Pacific Railroad (UPRR)</b>  <b>Sun Creek Development (Sundance)</b>  <b>Coronado Community</b>  <b>Florence Condo 16</b>  <b>Desert View Apartments</b>  <b>Anderson R Eugene &amp; Delphia M Trust</b>  <b>Vista Montana Homes (8 individual land owners)</b>  <b>Mariana B Granillo</b></p>
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ITEM	YES	NO	MAYBE	PARCEL # / LOCATION / QUANTITY / NOTES
Potential Full-Parcel ROW Take	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Potential Partial-Parcel ROW Take	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Undeveloped land on the north side will require new ROW acquisition
Access Issues	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Temporary Construction Easement (TCE) required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TCE's required for driveway tie-ins
Drainage Easement required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Access Easement required	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Plats needed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**ROADWAY / DRAINAGE FIELD REVIEW FORM**

To 'check' boxes, double click and select 'checked' in the Default value box

ITEM	ITEM NEEDED			LOCATION / QUANTITY / NOTES
	YES	NO	MAYBE	
Design Exception	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CSS Design Flexibility	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hor. Curve Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vert. Curve Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Crown Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Super Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Side Slope Correction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Side slopes to be modified with the addition of new lanes and sidewalk
Shlder slope correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Flatten Entrance Slopes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sight-line Obstr. Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Guardrail	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Side slopes and ROW near railroad will need to be evaluated to determine if guardrail is required
Curb & Gutter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approx 3600 LF of C&G
Retaining Walls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spillway	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Downdrain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scuppers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
69kV lines Steel Poles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

Existing site drainage is into roadside ditches. With the widening of the roadway new drainage facilities will be required. Existing culvert east of railroad will need to be reconstructed. Numerous existing utilities will need relocation to accommodate the widening including: overhead APS lines on the north side, overhead ED2 lines with attached telecommunications lines on the south side, irrigation booster station on the north side, underground gas and telecommunications lines and above ground boxes on the south side. Wastewater lift station on the north side will not require relocation

**RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW**

Project #: P170301P

Name: Vah Ki Inn Rd Sidewalk and Railroad Crossing Improvements

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Project Limits: Vah Ki Inn Rd, Main St to Washington Street

**TRAFFIC / SAFETY FIELD REVIEW FORM**

To 'check' in the check boxes, double click and click on 'checked' in the Default value box

ITEM	ITEM NEEDED			LOCATION / QUANTITY / NOTES
	YES	NO	MAYBE	
<b>Bicycle Countermeasures</b>				
Bike Lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pavement Markings / Signs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shared Use Path	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Curve Countermeasures</b>				
Enhanced Delineation and Friction for Horizontal Curve	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Curve Warning Signs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Intersection Countermeasures</b>				
Access Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pedestrian Phasing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pedestrian Signal/ Countdown Signal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Offset/lengthen turn lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Phasing/protected left turn	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Roundabout	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Signal Backplates with Retroreflective Borders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Stop Bar	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Lane / Roadway Departure Countermeasures</b>				
Longitudinal Rumble Strips / Stripes on 2-Lane Roads (shoulder & centerline)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Raised Median Barrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Safety Edge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shoulder	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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ITEM	ITEM NEEDED			LOCATION / QUANTITY / NOTES
	YES	NO	MAYBE	
<b>Pedestrian Countermeasures</b>				
ADA Improvement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 new ADA ramps at Washington, 4 new ADA ramps at California Ave, 4 new ADA ramps at Sonora St, 4 new ADA ramps at RR Xing, 4 existing ramp modifications at Main St.
Crosswalk	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Median and Ped Xing Island (urban / suburban area)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pedestrian Hybrid Beacon	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pedestrian Warning Sign (Ped Xing, No Right on Red, Yield to Peds)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Road Diet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sidewalk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approx 1,740 LF of sidewalk on the north side and approx 1,840 LF of sidewalk on the south side of Vah Ki Inn.
Traffic Calming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Widen Shoulder	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Railroad Crossing Countermeasures</b>				
Active Advanced Warning Sign	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No blank out signs needed
Flashing Light Signals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 new (one for each direction)
Gates (Automated, Channelized, Four-Quadrant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove and install new automated gates
Pavement Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 new railroad crossing pavement markings
Signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 advanced warning signs
Train Detection System	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Traffic Signal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Warning Bell	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wayside Horn System	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments and Risk Identification:

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### UTILITIES FIELD REVIEW FORM

(1) Info Source	(2) FACILITY OWNER	(3) FACILITY TYPE	(4) LOCATION	(5) Impact	(6) ROW /TCE	(7) REMARKS/ REASON FOR CONFLICT
C	APS CARBY HROBER 602-493-4225	ELECTRIC				OH APS lines on north side of roadway within limits of widening
C	ARIZONA WATER CO. RAY MURRIETO 520-723-5346	WATER 12" & 6"	12" ALONG VAH KI INN RD FROM MAIN ST TO CALIFORNIA AVE; 6" GOING S ALONG MAIN ST, SONORA ST, CALIFORNIA AVE & WASHINGTON ST			
C	CITY OF COOLIDGE PUBLIC WORKS ELEANORE WAGONER 520-723-4882	RECLAIMED WATER, SEWER				Wastewater Lift Station on north side of roadway near California, protect in place
C	COX JOE PARKER 520-488-8970	CATV, FIBER 2" PVC	ALONG SONORA ST, CALIFORNIA AVE & WASHINGTON ST			OH communications on existing ED2 poles on south side of roadway within limits of widening
C	CENTURYLINK DISPATCH CENTER 800-778-9140 TOM STURMER 720-578-8090	COAXIAL, FIBER	CROSSES VAH KI INN E OF RR			OH communications on existing ED2 poles on south side of roadway within limits of widening
C	EL PASO NATURAL GAS RUSSELL WILLIAMS 602-438-4249	GAS				
C	HOHOKAM IRRIGATION AND DRAINAGE DISTRICT STEVEN MCLAUGHLIN 520-381-2316	ELECTRIC				Existing booster station on north side of roadway within limits of widening
C	LEVEL 3 COMMUNICATIONS JUDY HENRY 877-366-8344	FIBER				

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C	MCI – VERIZON 800-624-9675	FIBER	1 LINE CROSSES VAH KI INN E OF RR; 1 LINE CROSSES W OF RR THEN CONTINUES E ALONG N SIDE OF VAH KI INN RD			
C	SAN CARLOS IRRIGATION PROJECT KEN THOMPSON 520-723-6220	ELECTRIC				
C	SOUTHWEST GAS DONNA HALL 888-728-9343 JENNIFER WOODRUFF 520-316-5011	GAS, HIGH PRESSURE GAS 2" STL & 2" PE	ALONG VAH KI INN RD FROM MAIN ST TO WASHINGTON ST; GOING S ALONG MAIN ST, SONORA ST & CALIFORNIA AVE; ALONG VAH KI INN RD FROM SONORA ST TO E OF CALIFORNIA AVE			Above ground valves on south side of roadway within limits of widening

- 1) Use A – Permit Log, B – Field Observation, C – Utility/Other
- 2) Facility Owner (company/agency) name and contact information. Note: this does not include drainage features located underground
- 3) Type and Size of facility
- 4) Use Milepost or Stationing. Last resort describe
- 5) Y – Likely to impact facility with project N – Not likely to impact facility
- 6) Y – If relocation, likely to need TCE or ROW N- No
- 7) Pertinent Information include potential relocation cost, schedule impacts, coring requirements, potential Utility Agreement notes, or other risks

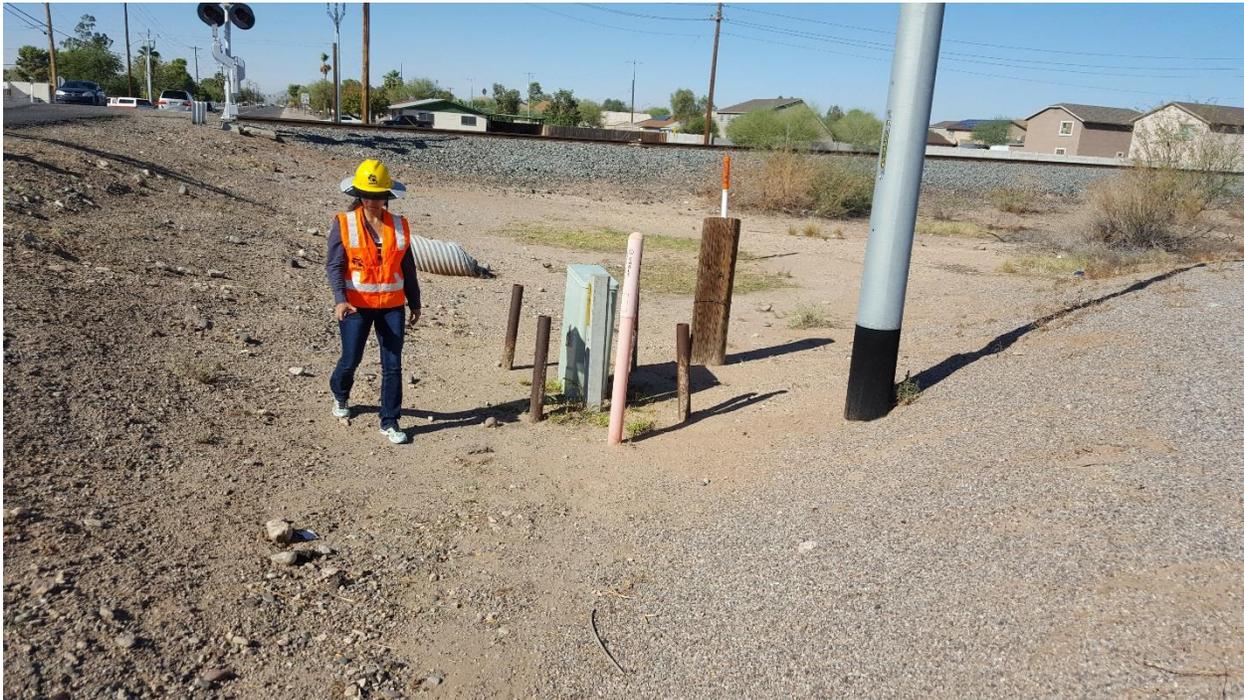
RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW



Vah Ki east of tracks looking east



Vah Ki looking north from south side of road east of the tracks



North side of Vah Ki east of tracks



Crushed drainage pipe on north side of Vah Ki just east of tracks



North side of Vah Ki looking southwest



South side of Vah Ki looking west



South side of Vah Ki looking north



South side of Vah Ki looking northwest



Looking South to Sonora Street



Vah Ki looking east from Sonora Street



Vah Ki looking west from Sonora St



South side of Vah Ki east of Sonora Street



South side of Vah Ki looking west



South side of Vah Ki east of California