

Michael Baker

INTERNATIONAL

Central Avenue – 1st Street to Pacific Street Sidewalk and Railroad Crossing Improvements

Final Pre-Scoping Report

Prepared for:

ADOT – Multimodal Planning Division

ADOT Contract No. 2009-039.03

MPD Project No. P170301P

City of Coolidge



January 18, 2017

S.O. No. 156219

GENERAL PROJECT INFORMATION	
Date: January 18, 2017	ADOT Project Manager: Dan Gabiou
Project Name: Central Avenue – 1st Street to Pacific Sidewalk and RRX Improvements	
City/Town: City of Coolidge	County: Pinal
COG/MPO: Sun Corridor	ADOT District: Southcentral
Primary Route/Street: Central Avenue	
Beginning Limit: 1 st Street	
End Limit: Pacific Street	
Project Length: 0.8 mile (450 feet)	
Right-of-Way Ownership(s) (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 type="checkbox"/> Private ; <input type="checkbox"/> Federal; <input type="checkbox"/> Tribal; <input checked="" type="checkbox"/> Other: Union Pacific Railroad	
Adjacent Land Ownership(s): <i>(Check all that apply)</i> <input checked="" type="checkbox"/> City/Town; <input type="checkbox"/> County; <input type="checkbox"/> ADOT; <input type="checkbox"/> Private; <input type="checkbox"/> Federal; <input type="checkbox"/> Tribal; <input type="checkbox"/> Other: http://gis.azland.gov/webapps/parcel/	

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

PROJECT NEED
<p>Central Avenue is currently a 2-lane roadway without any pedestrian facilities. This road is classified as a minor collector with standard cross section of two lanes with five-foot sidewalks on both sides of the road. Per the City of Coolidge general plans, a minor collector is defined as follows:</p> <p><i>Minor Collector: Two-lane roadway providing direct access to the roadway network for commercial parcels and multi-family residential developments via major collector and minor arterial roadways.</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.</p> <p>In order to provide connectivity between existing developments to the east and the city center, pedestrian facilities are required through this corridor.</p>

PROJECT PURPOSE			
What is the Primary Purpose of the Project?	Preservation <input type="checkbox"/>	Modernization <input checked="" type="checkbox"/>	Expansion <input type="checkbox"/>
<p>The purpose of the project is to add sidewalks on both sides of the road to provide pedestrians with a safe walking surface across the railroad tracks. The project will include a five foot sidewalk, curb, gutter, pavement, pavement markings, signage and lighting for the length of the project.</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 type="checkbox"/> Right-of-Way
<input type="checkbox"/> Constructability / Construction Window Issues	<input checked="" type="checkbox"/> Environmental
<input checked="" type="checkbox"/> Stakeholder Issues	<input 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. TCE's or new permanent easement may become necessary for the installation of the new sidewalks. Construction and Maintenance agreements will be required.

Environmental – There are no significant environmental concerns on this project. The environmental clearance will need to utilize ADOT's Categorical Exclusion (CE) checklist to provide the appropriate documentation for this project. Key issues to evaluate include a Preliminary Initial Site Assessment (PISA) (Illegal dumping concerns have been noted between Central Avenue and Vah Ki Inn), 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.

POTENTIAL FUNDING SOURCE(S)

Anticipated Project Design/Construction Funding Type: (Check all that apply)	<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 \$30,000	Design \$72,294	Right-of-Way \$40,000	Construction \$322,948	Total \$465,242
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RECOMMENDED PROJECT DELIVERY

Delivery: Design-Bid-Build Design-Build Other:

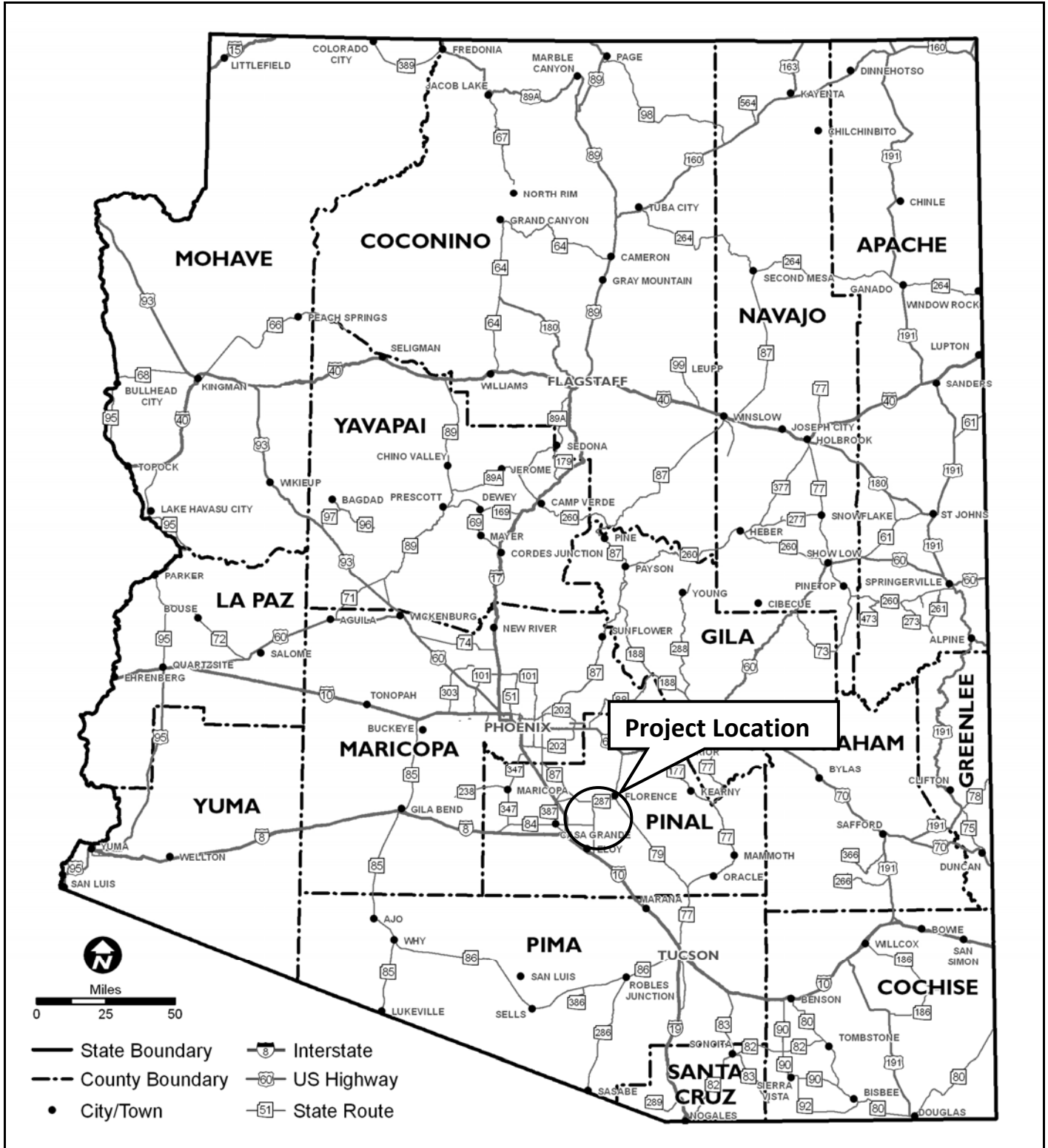
Design Program Year: FY17

Construction Program Year: FY18

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

ATTACHMENT 1 – STATE LOCATION MAP





SCOPE OF WORK

This project will install a new sidewalk, curb, gutter, pavement and lighting on Central Avenue from 1st Street to Pacific Street in Coolidge, Arizona. 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.

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
- Install conduit, pullboxes, and conductors for new roadway lighting
- Construct new curb and gutter, curb returns, sidewalks and sidewalk ramps
- Sawcut existing pavement edges to provide a smooth joint for new curb, gutter and sidewalk
- Mill existing pavement
- Construct new pavement section
- 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

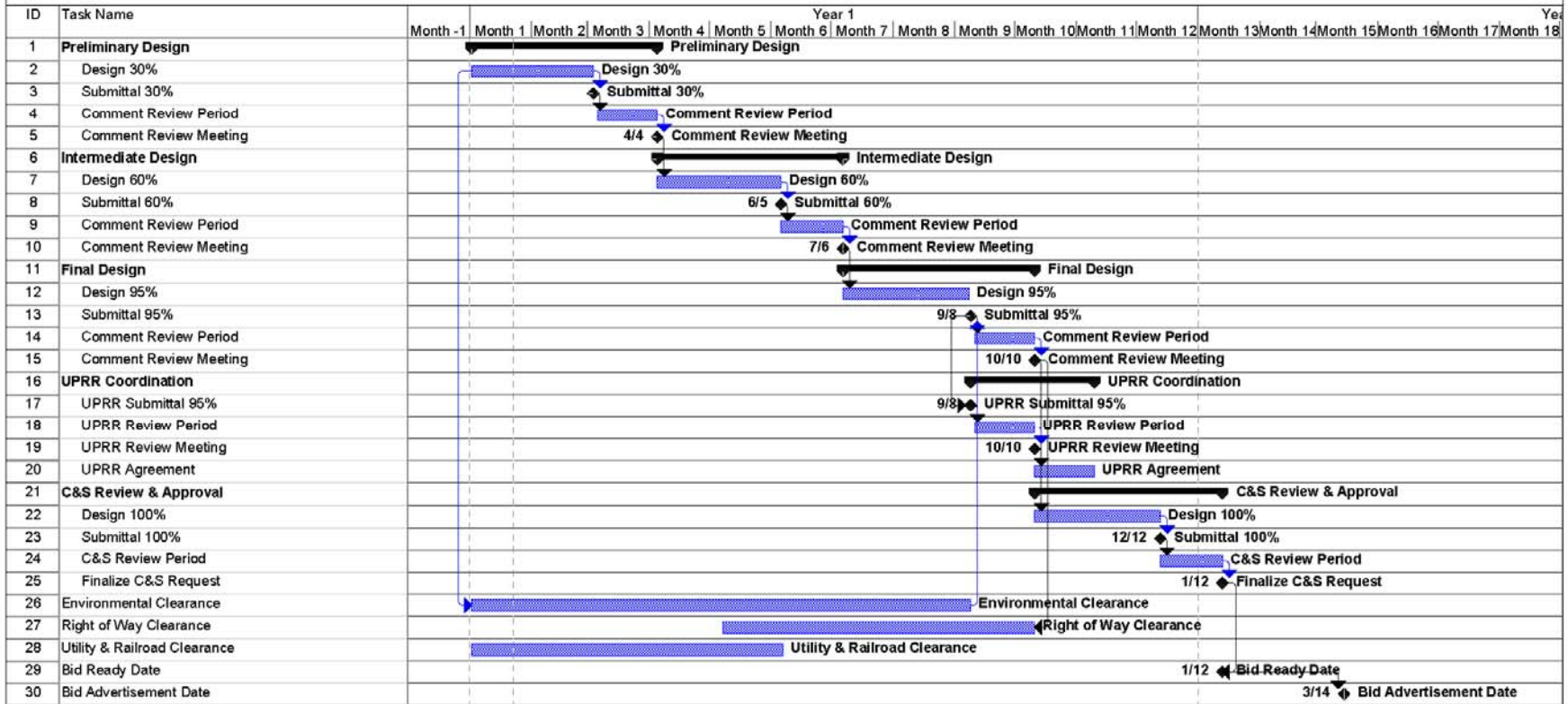
(Describe scope items considered, but not accepted by the Pre-Scoping Team and why)

- 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



Date: Mon 1/23/17	Task		External Tasks		Duration-only		External Tasks	
	Split		External MileTask		Manual Summary Rollup		External Milestone	
	Milestone		Inactive Milestone		Manual Summary		Progress	
	Summary		Inactive Summary		Start-only		Split	
	Project Summary		Manual Task		Finish-only			

Coolidge_Central Ave_Pre-Scoping Schedule

Project Time: 313 days Working Days

ATTACHMENT 5 – ITEMIZED COST ESTIMATE

**DRAFT PRE-SCOPING REPORT
ITEMIZED COST ESTIMATE
CENTRAL AVENUE**

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
2020029	REMOVAL OF ASPHALTIC CONCRETE PAVEMENT	SQ.YD.	1590	\$ 4	\$ 5,565
2020034	REMOVAL OF SIGNS	L.SUM	1	\$ 1,500	\$ 1,500
2030961	PREPARATION OF SUBGRADE (EXISTING GROUND)	SQ.YD.	1780	\$ 2	\$ 3,560
2090005	FURNISH WATER	M.GAL.	18	\$ 20	\$ 368
3030023	AGGREGATE BASE, CLASS 3	CU.YD.	230	\$ 90	\$ 20,700
4060006	ASPHALTIC CONCRETE (3/4" MIX)	TON	340	\$ 120	\$ 40,800
6080107	MISCELLANEOUS WORK (SIGNS)	L.SUM	1	\$ 5,900	\$ 5,900
7041501	PAVEMENT MARKINGS	L.SUM	1	\$ 4,500	\$ 4,500
7360300	ROADWAY LIGHTING	L.SUM	1	\$ 28,960	\$ 28,960
9030134	CONCRETE VALLEY GUTTER	SQ.FT.	120	\$ 10	\$ 1,200
9080092	CONCRETE CURB AND GUTTER (C-05.10)(TYPE A) (6")	L.FT.	800	\$ 18	\$ 14,400
9080112	CONCRETE TRANSITION CURB	EACH	2	\$ 150	\$ 300
9080201	CONCRETE SIDEWALK (C-05.20)	SQ.FT.	4000	\$ 10	\$ 40,000
9080296	CONCRETE SIDEWALK RAMP (C-05.30)	EACH	8	\$ 1,500	\$ 12,000
9080301	CONCRETE DRIVEWAY (C-05.20)	SQ.FT.	1575	\$ 15	\$ 23,625
	Subtotal				\$ 213,378
	Miscellaneous Work (15%)				\$ 32,007
	Erosion Control (1%)				\$ 2,134
	Maintenance and Protection of Traffic (15%)				\$ 32,007
	Mobilization (10%)				\$ 21,338
	Indirect Cost Allocation (ICAP) (10.35%)				\$ 22,085
	Construction Subtotal				\$ 322,948
	Right of Way and TCE Requirements				\$ 40,000
	Right of Way Subtotal				\$ 40,000
	Preliminary and Design Engineering (10%)				\$ 32,295
	ADOT PMDR Fee				\$ 30,000
	NEPA Fee				\$ 40,000
	Design Subtotal				\$ 102,295
	Total Cost				\$ 465,242



ATTACHMENT 6 – FINAL FIELD REVIEW 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

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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: Central Avenue Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Central Avenue, 1st St to Pacific 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:
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"/>	2,767 vpd (2014); Between 4 th St and 3 rd 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"/>	Coordination with railroad to determine if sidewalks can be placed within existing crossing width or if widening is necessary
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 1 st St and Pacific St
Other needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Central Avenue Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Central Avenue, 1st St to Pacific 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 ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Full Closure Detour will be proposed to the public, possible 6 month timeframe. If railroad crossing widening is required a full closure will be necessary
Temporary Construction ^a	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Staging ^a	<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:

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Central Avenue Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Central Avenue, 1st St to Pacific 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 will be needed
Signing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 signs will need to be removed and new signs installed behind new sidewalk
Lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lighting to be added to cost estimate, Coolidge to determine funding
Curb & Gutter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install new curb & gutter
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing drainage patterns drain water away from railroad crossing, to the north and south respectively, these patterns will be maintained
Erosion Area Correction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 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

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Name: Central Avenue Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

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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"/>	

Anticipated NEPA Clearance Type	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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Anticipated Permits Needed	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

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Date: 11/10/16

Project Limits: Central Avenue, 1st St to Pacific 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"/>	
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:

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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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	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 type="checkbox"/>	<input checked="" type="checkbox"/>	Based on visual inspections, reconstruction will be necessary for entire project limits. Assumed narrowing lanes to 15' width, 2 lanes, 400 LF
	Widening/Adding Turn Lanes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Subgrade Improvement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	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:

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Project Limits: Central Avenue, 1st St to Pacific 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
Central Ave – 1 st Street to Pacific Street		City of Coolidge	

List all adjacent land owners within the project limits	Southern Pacific Railroad (UPRR) AZTEC Supply Company Coolidge Cardlock
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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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 (3)
Drainage Easement required	<input type="checkbox"/>	<input checked="" 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:

RETURN FORM TO PROJECT MANAGER FOLLOWING THE FIELD REVIEW

Project #: P170301P

Name: Central Avenue Sidewalk and Railroad Crossing Improvements

Date: 11/10/16

Project Limits: Central Avenue, 1st St to Pacific 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 type="checkbox"/>	<input checked="" type="checkbox"/>	Potential to reduce lane widths to avoid new railroad crossing
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 type="checkbox"/>	<input checked="" type="checkbox"/>	Crest curve over railroad to be evaluated for ADA
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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
Curb & Gutter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New C&G on both sides of Central Ave, 800 LF
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 type="checkbox"/>	<input checked="" 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:

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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	
Bicycle Countermeasures				
Bike Lane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No bike lanes on roadway segment
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"/>	
Curve Countermeasures				
Enhanced Delineation and Friction for Horizontal Curve	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No curves
Curve Warning Signs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Intersection Countermeasures				
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"/>	
Lane / Roadway Departure Countermeasures				
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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Pedestrian Countermeasures				
ADA Improvement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8 new ADA ramps; 4 assumed at intersection of Central/Pacific, 2 crossing the tracks on the north side of Central and 2 crossing the tracks on the south side of Central
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"/>	800 LF of new sidewalk
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"/>	
Railroad Crossing Countermeasures				
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Remove and install new automated gates only if widening is required
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				
C	ARIZONA WATER CO. RAY MURRIETO 520-723-5346	WATER 6"	SE CORNER OF 1 ST ST AND CENTRAL AVE GOING S ON 1 ST ST; GOING S ON W SIDE OF PACIFIC ST	N	N	
C	CITY OF COOLIDGE PUBLIC WORKS ELEANORE WAGONER 520-723-4882	RECLAIMED WATER, SEWER				
C	COX JOE PARKER 520-488-8970	CATV, FIBER 2" CONDUIT	E OF 1 ST ST AND W OF RR ALONG CENTRAL AVE			
C	CENTURYLINK DISPATCH CENTER 800-778-9140 TOM STURMER 720-578-8090	COAXIAL, FIBER				
C	LEVEL 3 COMMUNICATIONS JUDY HENRY 877-366-8344	FIBER				
C	MCI – VERIZON 800-624-9675	FIBER	2 LINES CROSS CENTRAL AVE W OF RR			
C	SOUTHWEST GAS DONNA HALL 888-728-9343	GAS 2" PE	GOING W IN ALLEY BETWEEN CENTRAL AVE AND BROADWAY AVE E OF PACIFIC	N	N	

- 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

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Central Ave looking west towards 1st Street from north side of Central



Central Ave looking south towards 1st Street from north side of Central



Central Ave looking s towards 1st Street from north side of Central



Central Ave looking east towards Pacific



Central Ave east of tracks looking west



Central Ave east of tracks looking southeast



Central Ave east of tracks looking east