PEDESTRIAN, BICYCLE and SHARED-USE FACILITY PROJECT APPLICATION

General Instructions:

This Excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Bicycle Projects to be included in the FY2014-FY 2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2015, 2016 and 2017.

This application form includes:

- Part A - Contact and Project Description,
- Part B - Segment Description and Proposed Improvements,
- Part C - Total Project Budget and Schedule,
- Part D - Checklist and Signature Page, and Transmittal Instructions and Schedule.

Each part is a separate tab of this excel file. Please complete Parts A - D. Alternative application forms are available upon request.

Deadlines and Transmittal Instructions:

Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 a.m. Wednesday, September 19, 2012.** The application is to be submitted electronically and should include ArcGIS shape files depicting the project location if they are available.

Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications **will not be accepted.**

If member agencies need additional information or have questions, they should contact Teri Kennedy or Stephen Tate at (602) 254-6300 or contact them by e-mail at the following addresses:

mailto:state@azmag.gov
mailto:tkennedy@azmag.gov
mailto:MDeCindis@azmag.gov

All information is required, unless noted by the word - Optional.

PART A - CONTACT AND PROJECT DESCRIPTION

Contact Information	
1. Sponsoring Agency	Chandler
2. Contact Name	Paul Young
3. Phone	480-782-3146
4. E-Mail Address	paul.young@chandleraz.gov
5. Mailing Address	Transportation & Development Department Mail Stop 105, PO Box 4008, Chandler, AZ 85244-4008

Project Description 6. Please provide the Project Title.	Western Canal Multi-Use Path crossing at the UPRR
7. Please provide a general description of the project (Please no more then 200 characters)	
Construct at-grade bicycle/pedestrian crossing improvements at the Western Canal crossing at the UPRR. Improvements include concrete path, panels, and RR signals & gates.	
8. Please attach a map with streets labeled showing the location(s) of the bicycle/shared-use facility.	**Please attach map with transmittal**

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

This part of the form identifies the current characteristics and proposed improvements for each project.

The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process requires environmental, ROW and utilities clearances and a bid ready design prior to FHWA approval to encumber federal funding for construction.

CMAQ Funding Eligibility

All Pedestrian, Bicycle and Shared-Use projects to be funded with federal CMAQ funds must be located in the 8-Hour Ozone Nonattainment Area. Please use the following link to verify that the project is in the nonattainment area.

Links to 8-Hr Ozone Nonattaiment Area Map

Section 1 - Project Description

1. What is the type of bicycle project? (Check all that apply)

	Bicycle lane (4' min. w/o curb/gutter)
	Bicycle lane (5' min. with curb/gutter)
X	Shared-use path (10' min.)
	Bridge (overpass)
	Tunnel (underpass)
	Paved shoulders (5' min.).

	Shoulder paving is within 4-miles of a PM-10 monitor
	Link MAG Webpage for Map of PM-10 Monitor Locations
X	Signalized crossing
	Signalized midblock crossing/HAWK
	Mid-block crossing w/ pedestrian refuge
Other	Railroad at-grade crossing improvements, Western Canal Multi-Use Path at UPRR.

1a. What is the type of pedestrian project? (Check all that apply)

	Sidewalk (5' min.)
	Wide sidewalk (8' min.)
	Detached sidewalk (4' min. buffer)
	Bridge (overpass)
	Tunnel (underpass)

	Signalized crossing
	Signalized midblock crossing/HAWK
	Mid-block crossing w/ pedestrian refuge
Other	Railroad at-grade crossing improvements, Western Canal Multi-Use Path at UPRR.

2. Please describe the facility on which the improvement will be located.

For a linear feature please enter the Facility Name, Starting Limit and Ending Limit. For a point feature (e.g. an intersection or crossing) please enter a Facility Name and a Crossing Feature.

Western Canal/UPRR Multi-Use Path Crossing, 1/2 mile east of Arizona Avenue

Federal Functional Classification of the Facility

No Classified

Link to MAG webpage for Federal Functional Classification Map

Type of Facility the Improvement will be locaterd on

Drainage Feature (eg. canals)

0.04 Length (in Miles)

n/a Posted Speed Limit (MPH)

n/a Through Lanes

The application submission will include ArcGIS shapefiles.

3. Please provide a map, aerial map, graphics and photos that clearly show the segment alignment and features that connect to other bicycle facilities and that cross into or about the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.

4. Please provide a simple diagram of the current typical cross section, including widths, of the segment that shows the right of way limits, sidewalks and shoulders (if any), and the lanes of travel.

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

5. Please provide an estimated traffic volume (ADT) below.

26,400 ADT Estimate

1/1/00 Date Counted

Name of road the traffic count was taken from

N/A. Proposed improvement located along an existing multi-use path on the south side of Western Canal.

Description of Methodology used for the ADT Estimate

City of Chandler 2012 Segment ADT for nearest adjacent arterial roadway (Elliot Road).

6. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete. Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

We did a preliminary consultation with SHPO and their comment is that there does appear to be any known environmental issues.

7. Current ROW: (Check all that apply)

	Agency owns all ROW Needed		Agency owns easement
	ROW to be acquired		Agency has right-of-use (i.e. canal)
	Owners will donate ROW		Condemnation may be required

8. Please describe any right of way issues associated with the project.

At the railroad crossing, Union Pacific Railroad (UPRR) is the fee owner of the R/W. Salt River Project (SRP) retains access and maintenance rights for irrigation and electric facilities. An agreement for at-grade crossing improvements will be required with UPRR . When an agreement is finalized between the UPRR and the City, Arizona Corporation Commision (ACC) approvals will be necessary.

9. Current Utilities in or abutting the alignment: (Check all that apply)

	No Utility in or abutting the alignment	X	Pipelines, Sewer and Water
X	Canals & Drainage	X	Private Structures
X	Power Lines & Cables		Other

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

10. Please describe any utility conflicts that will need to be addressed.

Utility coordination and clearances will be needed with SRP Water and Power; El Paso Natural Gas.

Section 2 - Proposed Improvements

11. Please describe the work to be performed on the project:

The City currently has a license agreement with Salt River Project (SRP) for an existing multi-use path along the south side of the Western Canal from Price Road to the Union Pacific Railroad (UPRR) (1/2 mile east of Arizona Avenue). The proposed project scope consists of filling in a gap within an existing multi-use trail system at the UPRR crossing by constructing a 10' wide concrete path plus adding at-grade roailroad crossing improvements. Crossing improvements are proposed to include replacing the wooden panels with concrete panels and adding RR signals with gates. Additionally, proposed improvements include an eduation trail map signage and a bench for trail users.

12. Guidelines used to develop project: (Check all that apply)

X	AASHTO Guide for Bicycle Facilities
X	MAG Pedestrian Policies and Design Guidelines
	MAG Complete Streets Guide

Other

13. Why is this project an enhancement to the local and/or regional transportation system? Is this a one-time opportunity?

Yes, the existing multi-use path is part of a regional transportation system. It is part of the Sun Circle Trail which provides pedestiran/bicycle links to several Tempe, Chandler, Mesa and Gilbert destinations such as Ken McDonald Golf Course, Kiwanis Park, Arizona Mills, McQueen District Park, Neely Ranch Riparian Preserve, Freestone District Park, Big League Dreams Gilbert, etc.

14. Please describe the current surface condition of the proposed project

Currently, the City has an existing lighted 10' wide concrete multi-use path along the south side of Western Cananl from Price Road to the Union Pacific Railroad (UPRR) (1/2 mile east of Arizona Avenue). At this time in Chandler, the path teminates into a gravel maintence road on the west side of the UPRR R/W. Within the UPRR R/W, the crossing consists of aged wooden panels with stop sign control for the use of SRP maintenance vehicles.

15a. Safety improvements to be included for bike facilities: (Check all that apply)

	Wide bike lanes (6'-7')
	Grade-separated crossing (overpass or underpass)
X	Signalized crossing
	Path lighting

Buffer Zone, Width

Other

15b. Safety improvements to be included for pedestrian facilities: (Check all that apply)

	Wide sidewalk (8' min.)
	Grade-separated crossing (overpass or underpass)
X	Signalized crossing
	Path lighting
	Shade

Buffer Zone, Width

Other

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

16a. Number of convenience improvements to be included for bike facilities:

0	Number of Drinking Fountains
1	Number of Way-finding Signs
0	Number of Bike racks/lockers
0	Number of Trash receptacles
0	Number of Seating/Rest(s)

0 Number of Trees/shade structures

Other

16b. Number of convenience improvements to be included for pedestrian facilities:

0	Number of Drinking Fountains
0	Number of Way-finding Signs
0	Number of Trash receptacles
1	Number of Seating/Rest(s)

0 Number of Trees/shade structures

Other

17. How does this project improve upon an existing safety issue?

The crossing currently only has stop control. However, the at-grade crossing improvements will increase public safety by adding automated RR signals and gates.

18. How does the project improve ADA facilities for persons with disabilities?

The crossing improvements will meet current ADA standards by adding concrete panels, truncated domes, RR signals and gates.

19. Connectivity: (Check all that apply)

	Project fills a gap in the system
X	Project connects to other local facilities

X Project is on a regional facility

Regional Facility Name

Sun Circle Trail System

Multi Jurisdicional Project

List of Participating Jurisdictions

2 Number of transit routes and Park & rides served.

List: route number(s)/park & ride(s) served.

Bus transit route numbers 112 and Arizona Avenue Link BRT.

20. Total length of facility connected by this project (in miles)

16 Miles of facilities connected

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

21. Number of activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

0 Within 1/4 mile
List:

1 1/4 mile to 1/2 mile
List:
Kokopelli Golf Club

1 1/2 mile to 1 mile
List:
McQueen Park

22. Number of commercial destinations (malls, retail centers, business parks, etc.) and transit services (bus/rail routes, stops, and stations) this project will benefit:

1 Within 1/4 mile
List:
Elliot Business Center

2 1/4 mile to 1/2 mile
List:
Bus transit route numbers 112 and Arizona Avenue Link BRT.

0 1/2 mile to 1 mile
List:

23. Number of schools (public elementary, middle, and high schools, colleges, and universities) this project will benefit:

0 Within 1/4 mile
List:

0 1/4 mile to 1/2 mile
List:

1 1/2 mile to 1 mile
List:
Plaza Del Rey Elementary School

24. What are the demographics of the area served:

+15 Units Housing Density (Number of dwelling units per acre) within 1/2 mile

☐ The project is in a block group where the average household income is less than $26,000/year (Use blockgroup data from the Census 2010)

☐ The project is in an area that serves adults over the age of 60 years (Use blockgroup data from the Census 2010)

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

25. Jurisdiction has the following policies for improved bicycle/shared use facilties:

With new development and capital improvement projects, bike lanes on arterial streets are:	Required
With new development and capital improvement projects, bike lanes on collector streets are:	Required
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Recommended
With new development or during development retrofits, shared-use paths are:	Recommended
Bicycle program implemented, including bike education, safety events, and bike maps	Recommended
Complete Streets Policy	Not Addressed

26. The project is: (Check one)

[X] Identified in General Plan, council adopted policy, or Capital Improvements Program
List:
Chandler Bike Plan Update (October 1999)

[ ] Consistent with general policy/practices, but not formally identified
Explain

[ ] Not addressed by jurisdiction's plans, policies, or practices

27. Describe how this project will be publicized to the general public.

Community involvement and notification will be encouraged through public meetings; newspaper notifications; project flyers to area residents/businesses.

28. How will you determine customer satisfaction/evaluation?

The City will solicit community involvement/input through public meetings; newpaper notifications; project flyers to help determine needs and address.

PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS

Please provide a cost and programming estimate for the total project (e.g. the cost to complete all planned segment improvements). The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in the segment description(s) in Part B(s).

Cost Estimate for the Project Including ALL Segments	Cost	Optional (Additional Notes)
1.ADOT Fee	$ 5,000.00	None
2. Design	$ 86,500.00	None
3. Right of way	$ 10,000.00	Processing encroachement permits/license agreements to use the ROW.
4. Utilities	$ -	None
5. Construction	$ 358,625.00	None
6. Contingency	$ 13,125.00	None
7. Total Cost	$ 473,250.00	None

8. Please attach a detailed cost estimate if available. Link to MAG Webpage for Bike-Ped Cost Form

9. Will the agency maintain the improvement after it is completed? Yes

10. Expected Annual Maintenance Cost $ 1,000.00 City currently performs weekly trash pick-up along the exisitng path. Night checks are performed monthly for the path lighting. UPRR will provide RR

Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
11. Design	2013	HURF	$ 86,500.00	Not Available	$ 86,500.00
12. Right of way and Utilities	2013	HURF	$ 10,000.00	Not Available	$ 10,000.00
13. Construction	2016	HURF	$ 21,475.00	$ 355,275.00	$ 376,750.00
			$ 117,975.00	$ 355,275.00	$ 473,250.00

Pedestrian, Bicycle and Shared-Use Facility Project Application from Chandler for 'Western Canal Multi-Use Path crossing at the UPRR'

PART D - SIGNATURE AND CHECKLIST

As the jurisdiction's manager/administrator or designated representative, I certify that this application is accurate and complete and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal funding.

Signature:

Name: Daniel W. Cook, P.E.

Title: Transportation Manager

Date: September 19, 2012

COMPLETE ONLY AFTER QUESTIONS APPROVED

Checklist - OPTIONAL

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed.

PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 7 are complete	Yes
Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.	Yes
PART B - Segment Description and Proposed Improvements Fields	**Complete?**
Project Description, Section 1	
Fields 1 - 2 are complete	Yes
Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.	Yes
Field 4 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.	Yes
Fields 5 – 10 are complete	Yes
Proposed Improvements, Section 2	
Fields 11 – 28 are complete	Yes
PART C - Total Project Schedule and Budget Including All Segment Fields	**Complete?**
Fields 1 – 7 are complete	Yes
Field 8 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.	Yes
Field 9 - 10 are complete	Yes
Fields 11 – 13 Years are complete	Yes
Fields 11 – 13 Local Funding Sources are complete	Yes
Fields 11 – 13 Local Costs are complete	Yes
Field 11 - 13 Federal Costs are complete	Yes
PART D - Signature Page Fields	**Complete?**
Form is signed	Yes
Name, title and date fields are completed.	Yes

Pedestrian/Bicycle Cost Estimation Form

Design Funding	Locally Funded

Part	Item Description			Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY			LS	1	$5,000.00	$5,000.00	FALSE	$0.00	$5,000.00	
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN			LS	1	$10,000.00	$10,000.00	FALSE	$0.00	$10,000.00	
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting			LS	1	$20,000.00	$20,000.00	FALSE	$0.00	$20,000.00	
	4. HAZMAT ASSESSMENT			LS	1	$5,000.00	$5,000.00	FALSE	$0.00	$5,000.00	
	Subtotal Scoping (Part A)						**$40,000.00**		**$0.00**	**$40,000.00**	
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Right-of-Way Acquisition			LS	1	$10,000.00	$10,000.00	FALSE	$0.00	$10,000.00	
	2. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.			LS	1	$50,000.00	$50,000.00	FALSE	$0.00	$50,000.00	
	3. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report			LS	1	$2,500.00	$2,500.00	FALSE	$0.00	$2,500.00	
	4. DRAINAGE REPORT			LS	1	$2,500.00	$2,500.00	FALSE	$0.00	$2,500.00	
	5. SWPPP			LS	1	$1,500.00	$1,500.00	FALSE	$0.00	$1,500.00	
	Subtotal PE (Part B)						**$66,500.00**		**$0.00**	**$0**	
C. Construction Or Implementation For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	$5,000.00	$5,000.00	TRUE	$4,715.00	$285.00	
		Site Preparation		LS	1	$10,000.00	$10,000.00	TRUE	$9,430.00	$570.00	
		Demolition	Sawcut	LF	25	$5.00	$125.00	TRUE	$117.88	$7.13	
			Remove Structures and Obstructions	LS	1	$5,000.00	$5,000.00	TRUE	$4,715.00	$285.00	
			Remove Fencing	LF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Remove Structural Concrete	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Remove Asphaltic Concrete Pavement	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Remove Concrete Sidewalks, Slabs	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Hazmat Abatement		LS	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Utility Relocation		LS	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Retaining Wall - Reinforced Concrete Cantilevered		SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Earthwork	General Excavation	CY	250	$5.00	$1,250.00	TRUE	$1,178.75	$71.25	
			Drainage Excavation	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Structural Excavation	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Structural Backfill	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Borrow (In Place)	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Curb & Gutter		LF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Aggregate Base		CY	200	$35.00	$7,000.00	TRUE	$6,601.00	$399.00	
		Pathway Or Sidewalk Materials	Concrete	SF	1,000	$5.00	$5,000.00	TRUE	$4,715.00	$285.00	
			Colored Concrete	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Stamped Color Concrete	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Precast Concrete Pavers	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Asphaltic Concrete	Ton	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Polymer or Resin Stabilized Surface	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Crosswalk Enhancement	Concrete Pavers	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Stamped Asphalt	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Stamped Concrete	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Concrete	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Integral Color Concrete	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Pedestrian ADA Ramp		SF	50	$10.00	$500.00	TRUE	$471.50	$28.50	
		Culvert Extensions		LF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Pedestrian Lighting Including Conduit And Trenching		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Handrail	Standard	LF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
			Decorative	LF	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Subtotal Hardscape Construction					$33,875.00		$31,944.13	$1,930.88	
	2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Trees (15 Gallon Size)		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Trees (5 Gallon Size)		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Shrubs (5 Gallon Size)		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00	
		Shrubs (1 Gallon Size)		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00	

		Cactus (5 Gallon Size)		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Mulch	Decomposed Granite	CY	250	$5.00	$1,250.00	TRUE	$1,178.75	$71.25
			Organic	CY	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Topsoil		CY	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Seeding		Acre	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Turf Sod		SY	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Boulders		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Irrigation System	Drip	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00
			Turf	SF	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Sleeving For Irrigation System	Directional Bore	LF	1	$0.00	$0.00	TRUE	$0.00	$0.00
			Cut and Patch	LF	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Landscape Header Curb		LF	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Landscape Establishment		LS	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Subtotal Landscaping & Irrigation Items					$1,250.00		$1,178.75	$71.25
	3. Site Furnishings	Benches		Each	1	$1,500.00	$1,500.00	TRUE	$1,414.50	$85.50
		Seatwalls		LF	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Bike Racks		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Trash Receptacles		Each	1	$500.00	$500.00	TRUE	$471.50	$28.50
		Drinking Fountains		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Signage (Standard Traffic Control)		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Tree Grates		Each	1	$0.00	$0.00	TRUE	$0.00	$0.00
		Subtotal Site Furnishings					$2,000.00		$1,886.00	$114.00
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	RR surface improvements (concrete planks, rail, ties, ballast)			1	$75,000.00	$75,000.00	TRUE	$70,725.00	$4,275.00
		RR signal (gates, flashing warning lights)			1	$175,000.00	$175,000.00	TRUE	$165,025.00	$9,975.00
		Flagging for RR construction			1	$7,500.00	$7,500.00	TRUE	$7,072.50	$427.50
		Trail system map signage			1	$5,000.00	$5,000.00	TRUE	$4,715.00	$285.00
					1	$0.00	$0.00	TRUE	$0.00	$0.00
					1	$0.00	$0.00	TRUE	$0.00	$0.00
					1	$0.00	$0.00	TRUE	$0.00	$0.00
					1	$0.00	$0.00	TRUE	$0.00	$0.00
					1	$0.00	$0.00	TRUE	$0.00	$0.00
					1	$0.00	$0.00	TRUE	$0.00	$0.00
		Sutotal Other Construction					$262,500.00		$247,537.50	$14,962.50
	5. Mobilization And Administration Costs	Contractor Mobilization		LS	1	$10,000.00	$10,000.00	FALSE	$0.00	$10,000.00
		Traffic Control		LS	1	$15,000.00	$15,000.00	TRUE	$14,145.00	$855.00
		Construction Survey & Layout		LS	1	$2,500.00	$2,500.00	TRUE	$2,357.50	$142.50
		Construction Contingencies		LS	1	$13,125.00	$13,125.00	TRUE	$12,376.88	$748.13
		Construction Administration		LS	1	$31,500.00	$31,500.00	TRUE	$29,704.50	$1,795.50
		Subtotal Mobilization & Administration Costs					$72,125.00		$58,583.88	$13,541.13
	Subtotal Construction Or Implementation Cost (Part C)						**$371,750.00**		**$341,130.25**	**$30,619.75**
D. Total Scoping, PE and Construction (Part A, B, and C)							**$478,250.00**		**$341,130.25**	**$70,619.75**
E. Adot Fee For Pe Reviews And Staff Charges (The higher of $20,000 or 2% of Total Cost (Part D))							**$20,000.00**	FALSE	$0.00	$20,000.00
F. Total Project Cost Including ADOT Fees (Part D + Part E)							**$498,250.00**		**$341,130.25**	**$90,619.75**

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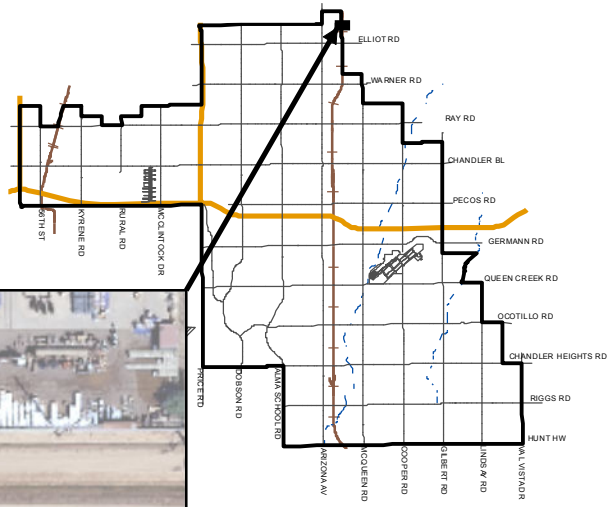
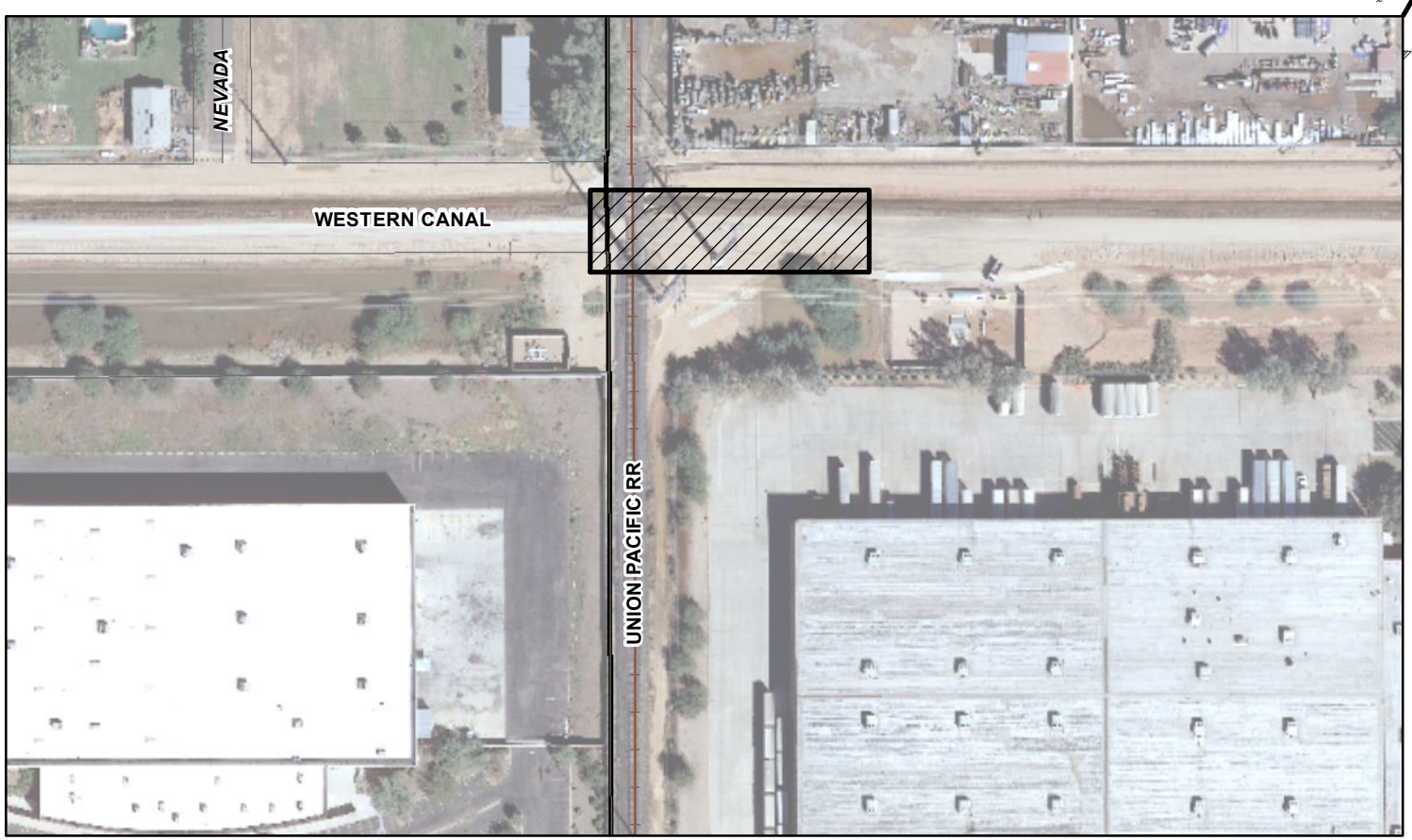
WESTERN CANAL/UPRR MULTI-USE PATH CROSSING PROPOSED IMPROVEMENTS





PROJECT LOCATION

Provide:
1) Multi-Use Path Connection, 10' wide coucrete path
2) At-grade railroad crossing improvements

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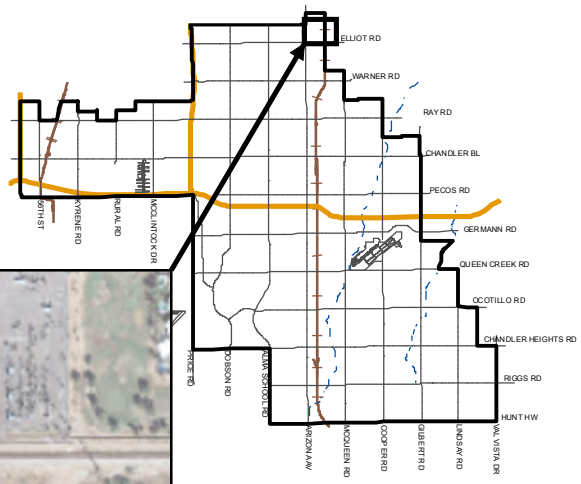
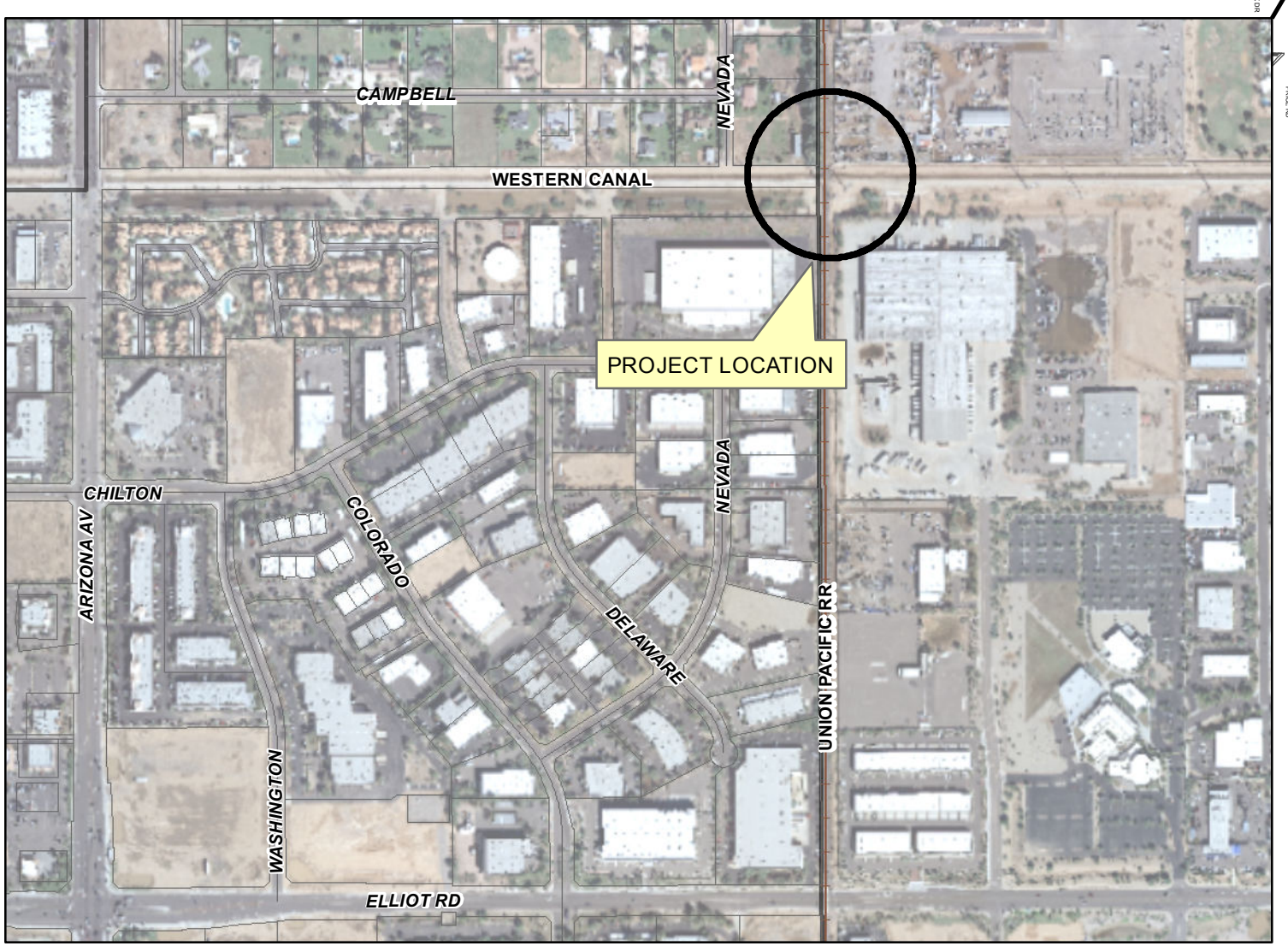
WESTERN CANAL/UPRR MULTI-USE PATH CROSSING VICINITY MAP





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