

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	Tempe
2. Contact Name	Robert Yabes
3. Phone	(480) 350-2734
4. E-Mail Address	robert_yabes@tempe.gov
5. Mailing Address	20 E 6th Street, Ste 208, Tempe, AZ 85281
Project Description	
6. Please provide the Project Title.	Priest Drive Rio Salado River Underpass - Grade Separated Bike and Ped Connection
7. Please provide a general description of the project (Please no more than 200 characters)	
Construct an underpass/grade separated crossing along the bridge at Priest and Rio Salado in Tempe. The project will be designed consistent AASHTO Guidelines, MAG Ped and Bike Guidelines, and ADA guidelines. The project will eliminate vehicular and bike and ped user conflicts at one of the region's busiest arterial segments. The project will promote faster access to Tempe Town Lake; downtown Tempe; ASU; Mill Light Rail Station; and other major destinations. By providing safer and more attractive bike and ped connections the employment areas are more accessible and will encourage alternative modes as a commute option. The project also connects Rio Salado. Mu;ti use paths to Scottsdale Indian Bend Wash and Phoenix Rio Salado Paths in the future.	
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 Nonattainment Area Map](#)

Section 1 - Project Description

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

<input type="checkbox"/>	Bicycle lane (4' min. w/o curb/gutter)	<input type="checkbox"/>	Shoulder paving is within 4-miles of a PM-10 monitor Link MAG Webpage for Map of PM-10 Monitor Locations
<input type="checkbox"/>	Bicycle lane (5' min. with curb/gutter)	<input type="checkbox"/>	Signalized crossing
<input checked="" type="checkbox"/>	Shared-use path (10' min.)	<input type="checkbox"/>	Signalized midblock crossing/HAWK
<input type="checkbox"/>	Bridge (overpass)	<input type="checkbox"/>	Mid-block crossing w/ pedestrian refuge
<input type="checkbox"/>	Tunnel (underpass)	Other	Grade Separated Bridge Underpass/Wayfinding Signs/Trees/Lighting/Art
<input type="checkbox"/>	Paved shoulders (5' min.)		

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

<input type="checkbox"/>	Sidewalk (5' min.)	<input type="checkbox"/>	Signalized crossing
<input type="checkbox"/>	Wide sidewalk (8' min.)	<input type="checkbox"/>	Signalized midblock crossing/HAWK
<input type="checkbox"/>	Detached sidewalk (4' min. buffer)	<input type="checkbox"/>	Mid-block crossing w/ pedestrian refuge
<input type="checkbox"/>	Bridge (overpass)	Other	Grade Separated Bridge Underpass/Wayfinding Signs/Trees/Lighting/Art
<input type="checkbox"/>	Tunnel (underpass)		

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.

Priest Drive at Rio Salado River - Location: South Bank of Rio Salado River under Priest Drive Bridge.

Federal Functional Classification of the Facility

Major Arterial

[Link to MAG webpage for Federal Functional Classification Map](#)

Type of Facility the Improvement will be located on

Collector Road

0.18 Length (in Miles)

45 Posted Speed Limit (MPH)

4 Through Lanes

X 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.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology used for the ADT Estimate

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.

7. Current ROW: (Check all that apply)

Agency owns all ROW Needed
 ROW to be acquired
 Owners will donate ROW

Agency owns easement
 Agency has right-of-use (i.e. canal)
 Condemnation may be required

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

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

No Utility in or abutting the alignment
 Canals & Drainage
 Power Lines & Cables

Pipelines, Sewer and Water
 Private Structures
Other

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

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

None

Section 2 - Proposed Improvements

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

Construct underpass connection for multi-use paths along the south bank of the Rio Salado River. The project will provide connection of the existing paths east of Priest Drive and the new multi-use path west of Priest Drive extending to SR143. The project will include wayfinding signs, art, landscaping, 10-foot concrete path; railing and lighting underneath the Priest Bridge. The project will provide connection from employment sites east of SR 143 to the 10 miles of multi-use path along Tempe Town Lake and to the Tempe-Scottsdale Indian Bend Wash Multi-use Path. The project will also provide a quick and safe off-street bicycle and pedestrian access to Downtown Tempe, ASU and even as far as Downtown Scottsdale .

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

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

Other

City of Tempe Transportation Toolbox- A Guide for Planning and Design of Friendly Streets and Sidewalk

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

The project will provide connection from employment and residential areas east of SR 143 to the 10 miles of multi-use path around Tempe Town Lake and to the Tempe-Scottsdale Indian Bend Wash Multi-use Path. The project will provide employees and residents east of SR143 a quick and safe off-street bicycle and pedestrian access to Downtown Tempe, ASU and even to Downtown Scottsdale .

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

Decomposed granite and gravel. Unpaved and uneven path.

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

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

Buffer Zone, Width

2 feet

Other

Railings

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

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

Buffer Zone, Width

2 feet

Other

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

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

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

Number of Trees/shade structures

Other

Public Art

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

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

Number of Trees/shade structures

Other

Public Art

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

At present no safe crossing to access the Rio Salado paths at each side of Priest Drive.

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

The multi use path will be constructed to meet ADA standards.

19. Connectivity: (Check all that apply)

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

Project is on a regional facility
Regional Facility Name

Tempe-Phoenix Rio Salado Multi-use Path -Regional Connection

Multi Jurisdictional Project
List of Participating Jurisdictions

The project was designed jointly by the City of Phoenix and Tempe.

Number of transit routes and Park & rides served.
List: route number(s)/park & ride(s) served.

Routes 48 and 56.

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

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:

- Within 1/4 mile
List:
- 1/4 mile to 1/2 mile
List:
- 1/2 mile to 1 mile
List:

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

- Within 1/4 mile
List:
- 1/4 mile to 1/2 mile
List:
- 1/2 mile to 1 mile
List:

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

- Within 1/4 mile
List:
- 1/4 mile to 1/2 mile
List:
- 1/2 mile to 1 mile
List:

24. What are the demographics of the area served:

- Housing Density (Number of dwelling units per acre) within 1/2 mile
- X 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)
- X 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 facilities:

With new development and capital improvement projects, bike lanes on arterial streets are:	Recommended
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:	Required
Bicycle program implemented, including bike education, safety events, and bike maps	Required
Complete Streets Policy	Required

26. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program
List:
- 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.

28. How will you determine customer satisfaction/evaluation?

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	15,000	Estimated
2. Design	170,000	None
3. Right of way	0	None
4. Utilities	0	None
5. Construction	1,043,919	Cost estimated at 2012 Dollars
6. Contingency	187,905	10% + 6% Mobilization+ Design Administration+
7. Total Cost	1,416,824	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

2,000

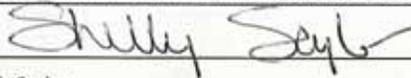
Note

Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
11. Design	2014	Sales Tax	185,000	Not Available	185,000
12. Right of way and Utilities	2015	Sales Tax	0	Not Available	0
13. Construction	2016	Sales Tax	66,428	1,165,396	1,231,824
			251,428	1,165,396	1,416,824

Pedestrian, Bicycle and Shared-Use Facility Project Application from Tempe for 'Priest Drive Rio Salado River Underpass - Grade Separated Bike and Ped Connection'

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: Shelly Seyler

Title: Deputy Public Works Manager- Transportation

Date: 09/20/2012

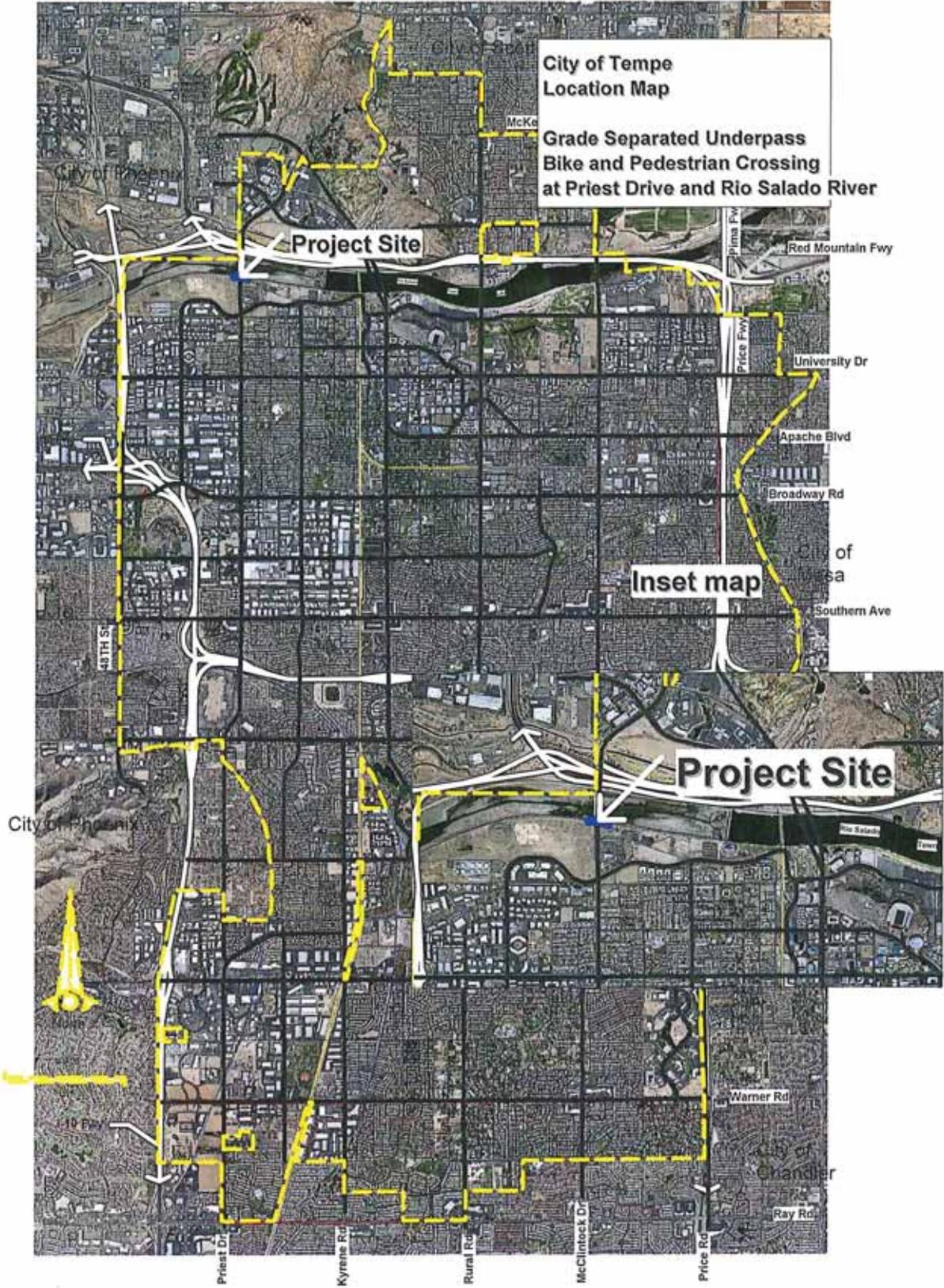
WILL FILL OUT AFTER QUESTIONS APPROVED

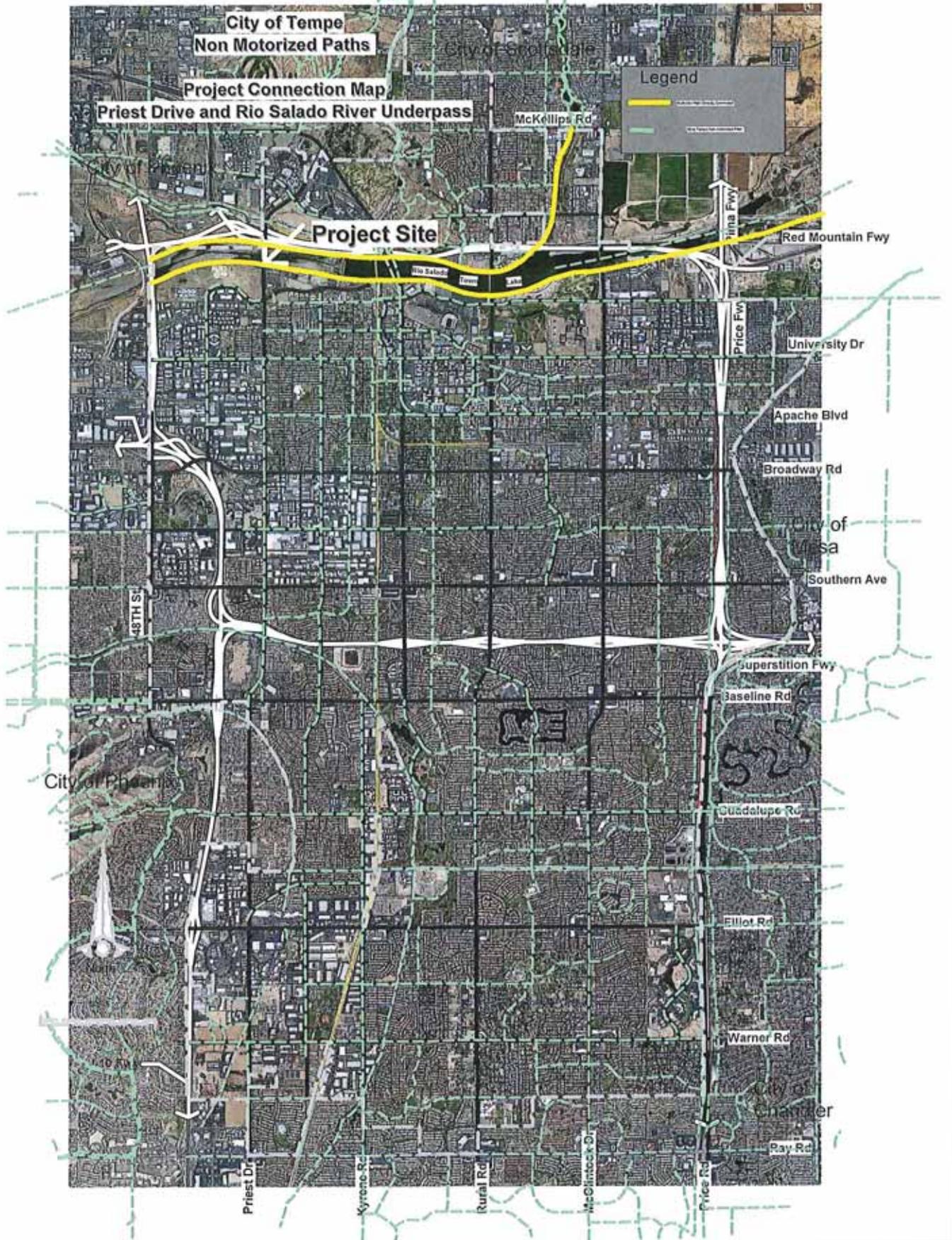
Checklist - OPTIONAL

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

Pedestrian, Bicycle and Shared-Use Facility Project Application from Tempe for 'Priest Drive Rio Salado River Underpass - Grade Separated Bike and Ped Connection'

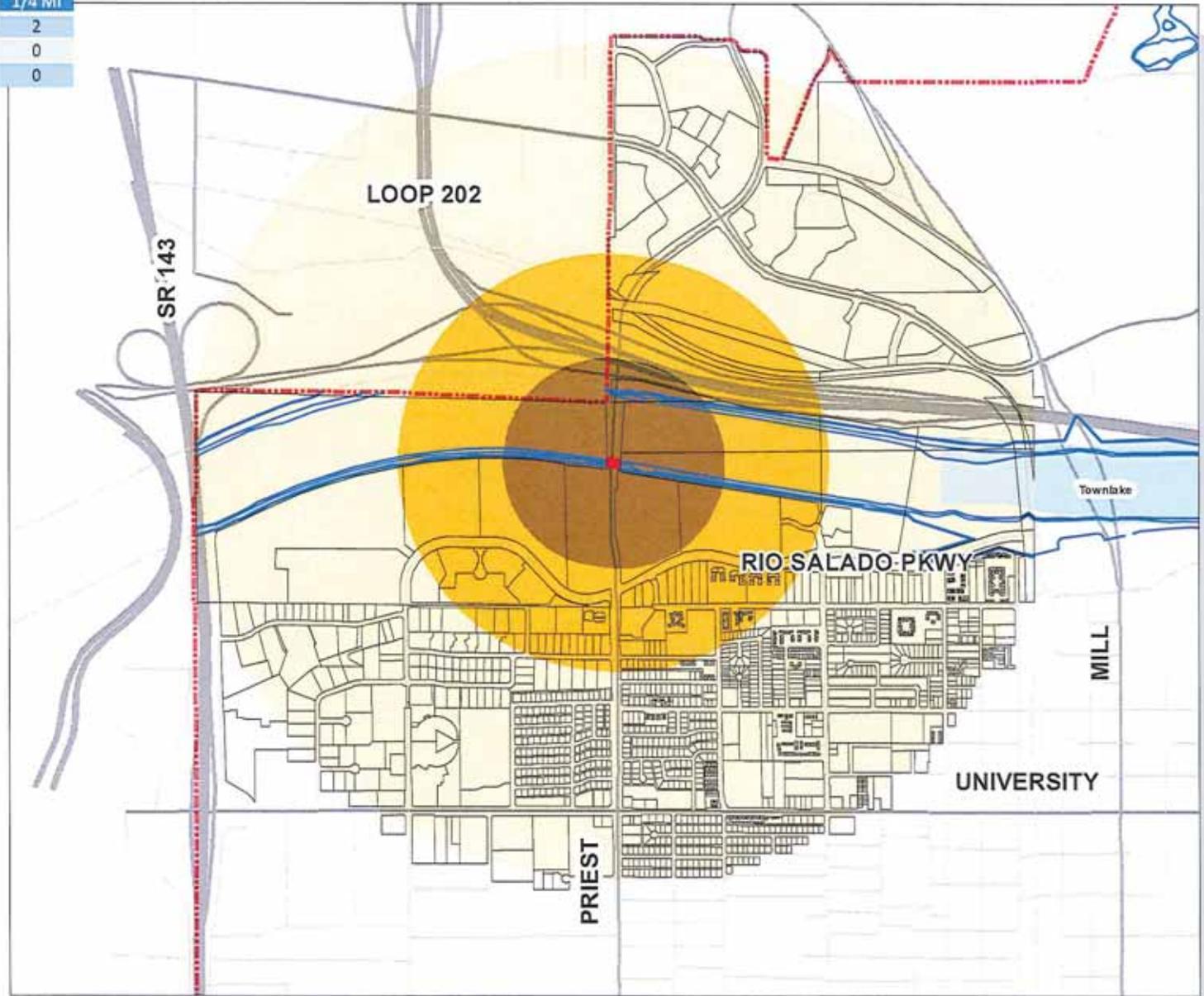




MAP 3 - Density Map

PRIEST DRIVE AT RIO SALADO RIVER BRIDGE UNDERPASS PROJECT

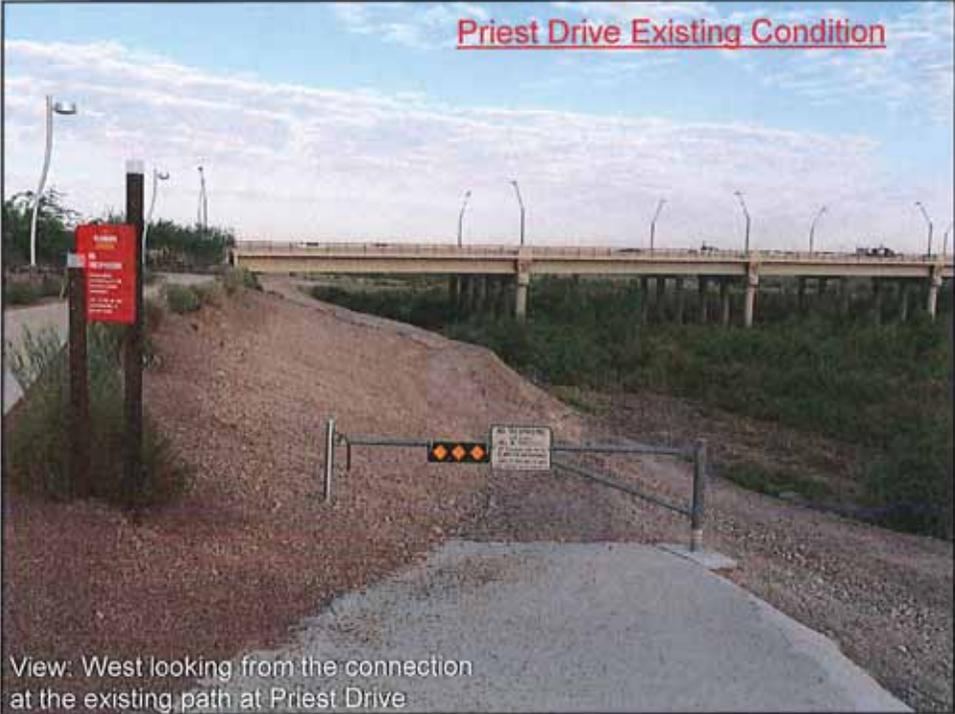
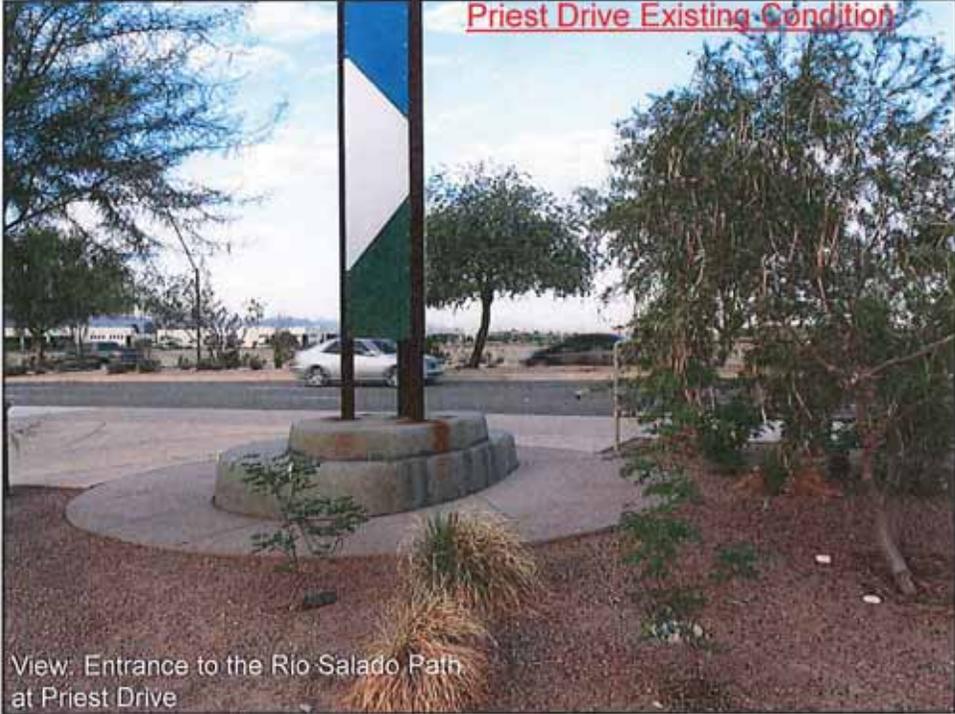
Zoning	1 MI	1/2 MI	1/4 MI
Single Family	697	9	2
MultiFamily	863	119	0
Commercial/Mixed Use	310	1	0

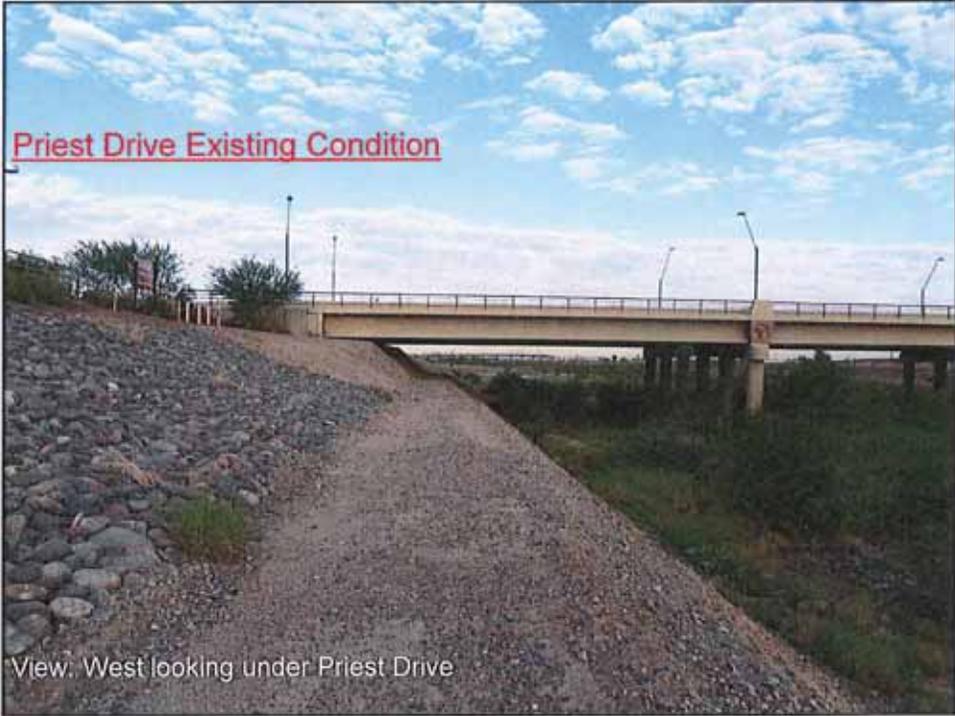


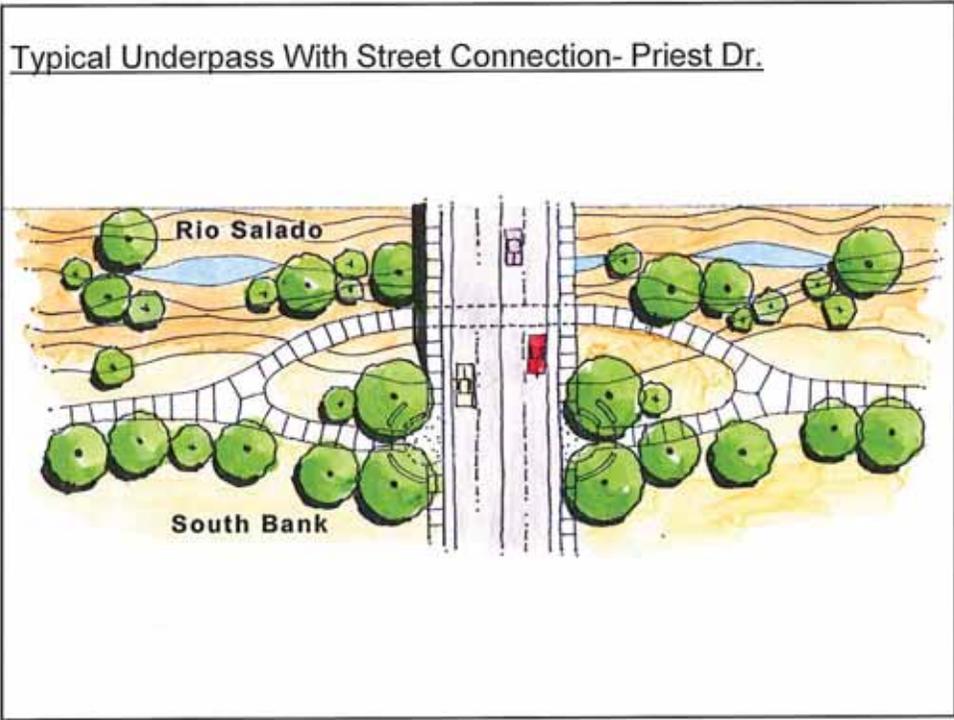
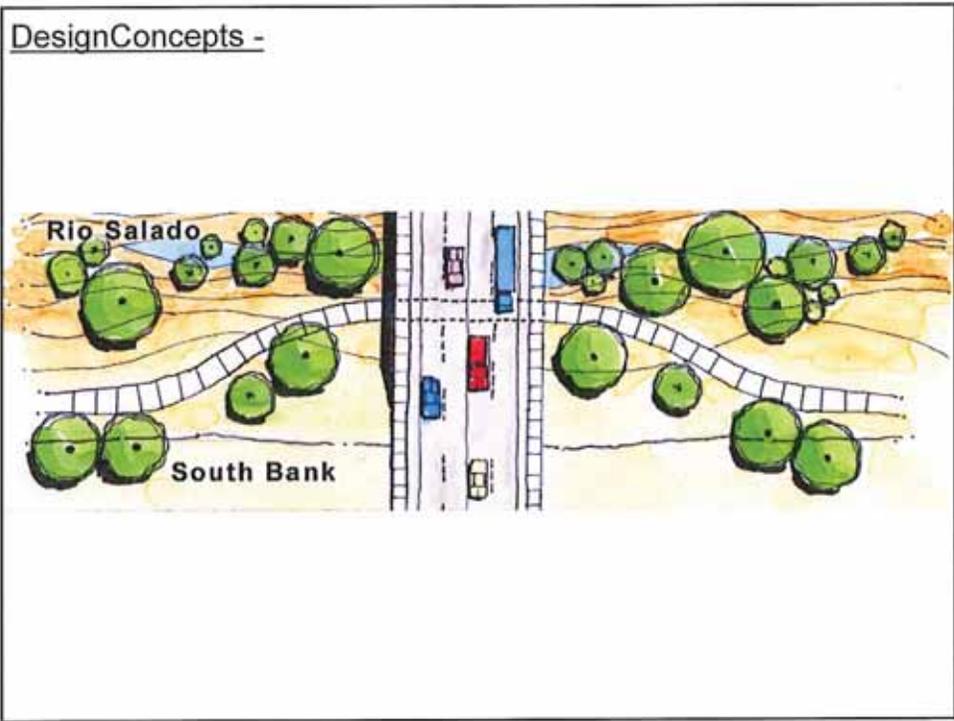
Legend

- All Parcels
- UNDERPASS
- 1/4 mi
- 1/2 mi
- 1 mi

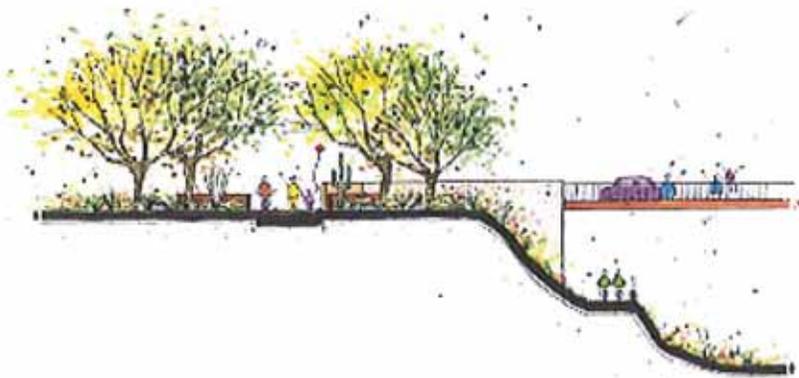
Attachment 1 Existing Conditions



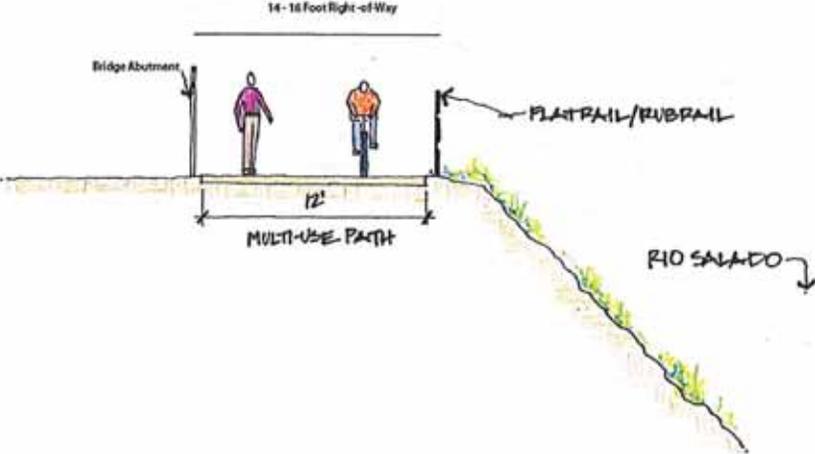


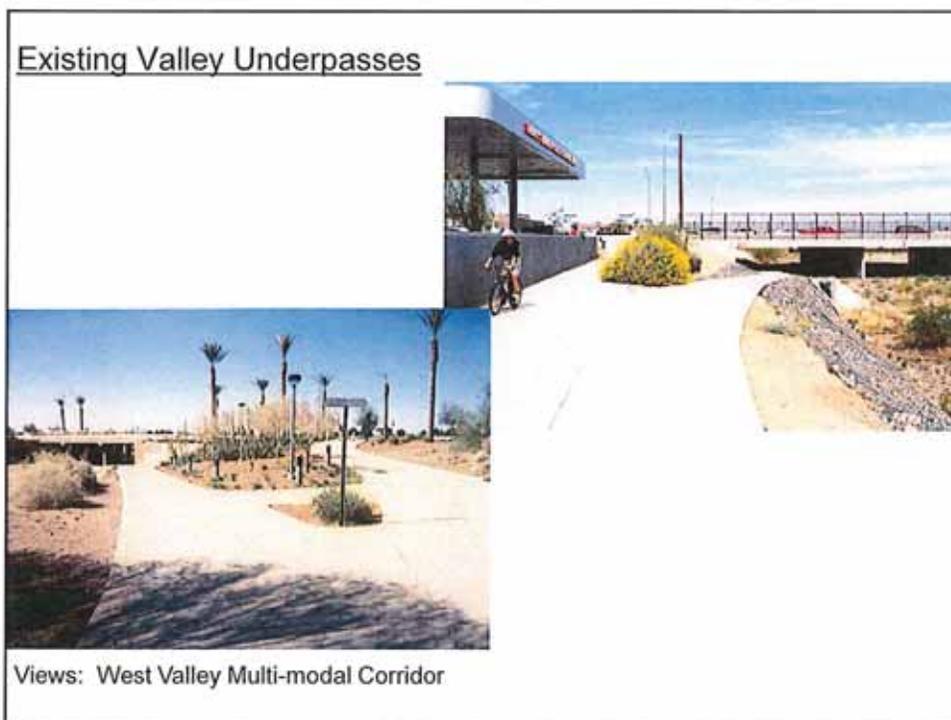


Provide Underpass and Street Connection at Priest Dr.



Narrow Condition Study- Bridge Underpass Cross-section





Pedestrian/Bicycle Cost Estimation Form

Design Funding	Locally Funded	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 - Stages II, III, IV And PS&E)		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	\$5,000.00	\$5,000.00	FALSE	\$0.00	\$5,000.00						
		3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting)	LS	1	\$45,000.00	\$45,000.00	FALSE	\$0.00	\$45,000.00						
		4. HAZMAT ASSESSMENT	LS	1	\$3,000.00	\$3,000.00	FALSE	\$0.00	\$3,000.00						
		Subtotal Scoping (Part A)					\$56,000.00		\$0.00	\$56,000.00					
		B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E		1. Right-of-Way Acquisition	LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
				2. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$55,000.00	\$55,000.00	FALSE	\$0.00	\$55,000.00				
				3. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$6,000.00	\$6,000.00	FALSE	\$0.00	\$6,000.00				
				4. DRAINAGE REPORT	LS	1	\$3,000.00	\$3,000.00	FALSE	\$0.00	\$3,000.00				
				5. SWPPP	LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
				Subtotal PE (Part B)					\$64,000.00		\$0.00	\$64,000.00			
				C. Construction Or Implementation For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4		1. Hardscape Construction	LS	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
						Site Preparation	LS	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
						Demolition	Sawcut	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00	
							Remove Structures and Obstructions	LS	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00	
		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			
		Earthwork	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			
			General Excavation			CY	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
			Drainage Excavation			CY	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
			Structural Excavation			CY	20	\$125.00	\$2,500.00	TRUE	\$2,357.50	\$142.50			
Structural Backfill	CY		40			\$125.00	\$5,000.00	TRUE	\$4,715.00	\$285.00					
Borrow (In Place)	CY		1			\$0.00	\$0.00	TRUE	\$0.00	\$0.00					
Curb & Gutter	LF		1,850			\$5.00	\$9,250.00	TRUE	\$8,722.75	\$527.25					
Pathway Or Sidewalk Materials	Aggregate Base	CY	125			\$100.00	\$12,500.00	TRUE	\$11,787.50	\$712.50					
	Concrete	SF	1			\$0.00	\$0.00	TRUE	\$0.00	\$0.00					
	Colored Concrete	SF	1			\$0.00	\$0.00	TRUE	\$0.00	\$0.00					
	Stamped 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					
	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							
Crosswalk Enhancement	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	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00							
	Culvert Extensions	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00							
	Pedestrian Lighting Including Conduit And Trenching	Each	18	\$0.00	\$0.00	TRUE	\$0.00	\$0.00							
Handrail	Standard	LF	1,850	\$65.00	\$120,250.00	TRUE	\$113,395.75	\$6,854.25							
	Decorative	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00							
	Subtotal Hardscape Construction					\$149,500.00		\$140,978.50	\$8,521.50						
	Trees Above 15 Gallon in Size As Required Per Local Code Or Special	Each	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00							
	Design Requirements	Each	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00							
2. Landscaping & Irrigation Items	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							

