



32nd Street : SR - 51 to Reach 11



32nd STREET

**Congestion Mitigation and Air Quality (CMAQ)
Project Application
FY 2015 Application**

September 19, 2012

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) :

<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	Phoenix
2. Contact Name	Ray Dovalina, Jr, PE
3. Phone	602-262-6781
4. E-Mail Address	Ray.Dovalina@phoenix.gov
5. Mailing Address	Phoenix City Hall Street Transportation Department 200 West Washington Street, 5th Floor Phoenix, AZ 85003

Project Description 6. Please provide the Project Title.	32nd Street from SR-51 to Reach 11
7. Please provide a general description of the project (Please no more than 200 characters)	
The proposed project is to implement bike lanes along 32nd Street from State Route 51 to Reach 11.	
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
<input checked="" type="checkbox"/>	Bicycle lane (5' min. with curb/gutter)	Link MAG Webpage for Map of PM-10 Monitor Locations	
<input type="checkbox"/>	Shared-use path (10' min.)	<input checked="" type="checkbox"/>	Signalized crossing
<input type="checkbox"/>	Bridge (overpass)	<input type="checkbox"/>	Signalized midblock crossing/HAWK
<input type="checkbox"/>	Tunnel (underpass)	<input type="checkbox"/>	Mid-block crossing w/ pedestrian refuge
<input type="checkbox"/>	Paved shoulders (5' min.).	Other	<input type="text"/>

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

<input checked="" type="checkbox"/>	Sidewalk (5' min.)	<input checked="" 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	<input type="text"/>
<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.

The proposed project is to implement bike lanes along 32nd St from State Route 51 to Reach 11. It is approx. 7 miles in length and would provide connections to/from Phoenix Mountain Preserve, bike routes that traverse the corridor, and Reach 11 north of the Central Arizona Project (CAP).

Federal Functional Classification of the Facility

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

Type of Facility the Improvement will be located on

Length (in Miles)

Posted Speed Limit (MPH)

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

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

Average Daily Traffic (ADT) is calculated by first normalizing to account for daily and seasonal fluctuations in traffic. ADT may not represent the actual count taken on a particular day but instead has been adjusted to represent anticipated traffic flow on an average day throughout the year. The daily factors are calculated by first averaging the by-directional traffic volume totals for the 12 full weeks of weekends (1 week of weekdays in each month not containing a holiday). The factor is that average divided by the sum of each of the 12 instances of a weekday day.

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.

Due to the level of construction to implement bike lanes along the corridor, a minimal microseal pavement construction will be proposed. In addition, all appropriate accessible routes including roadway intersections will be reviewed and analyzed to verify that appropriate American with Disabilities Act (ADA) ramps are constructed or modified if necessary for the entire proposed project length.

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

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

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

Not applicable

Section 2 - Proposed Improvements

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

Proposed project would re-striping the entire corridor to accommodate a striped bike lane facility for the northbound and southbound directions. This would include the modification of the existing 6-lane configuration along the corridor to a proposed 5-lane configuration with 2-5ft Bike lanes in each direction. This would also require a pavement restoration to implement the new striping.

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other	ITE's Designing Walkable Urban Thoroughfares: A Context Sensitive Approach National Association of Transportation Officials (NACTO) 2nd Edition - Urban Bikeway Design Guide
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines		
<input checked="" type="checkbox"/>	MAG Complete Streets Guide		

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

The existing street once functioned as a thriving busy arterial corridor but since the extension and opening of SR-51, the corridor has experience a decline in traffic volumes consequently resulting in a need to revisit the corridor and make a change regarding the functionality and characteristic nature of the roadway to be more bicycle and pedestrian friendly to address the context change of the corridor.

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

Currently the surface condition of the proposed project site is appropriate for the prevailing traffic that is using it.

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

<input checked="" type="checkbox"/>	Wide bike lanes (6'-7')	Buffer Zone, Width	
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		
<input checked="" type="checkbox"/>	Signalized crossing	Other	Regarding signalized intersections, based on the geometrics of the striping, the existing signalized intersection's signal heads possibly might have to be modified or adjusted. Also pedestrian push buttons will be analyzed for appropriateness.
<input type="checkbox"/>	Path lighting		

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

<input type="checkbox"/>	Wide sidewalk (8' min.)	Buffer Zone, Width	
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		
<input checked="" type="checkbox"/>	Signalized crossing		

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

Path lighting

Other

Shade

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

The project will propose a Way-Finding signage package. At this time, the number of way-finding signs is not known until the final design of the project is developed.

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

The project will propose a Way-Finding signage package. At this time, the number of way-finding signs is not known until the final design of the project is developed.

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

Currently 32nd Street corridor does not have an existing safety issue. This project will enhance the characteristic of the corridor to provide a more complete street to include bicycle and pedestrian friendly environment.

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

During the project development phase, the entire corridor will be field reviewed and a thorough engineering analysis of the deficiencies, if any, will determine what additions and/or modifications will be necessary to provide enhanced ADA facilities along the corridor.

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

Multi Jurisdictional Project
List of Participating Jurisdictions

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

Routes - 16, 39, 106, 138, 154, 170, 186, 400. Park & Rides - Paradise Valley, Bell Rd & SR51, and Shea & SR51

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
- 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 facilities:

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:	Recommended
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:	Not Addressed
Bicycle program implemented, including bike education, safety events, and bike maps	Recommended
Complete Streets Policy	Recommended

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	\$20,000	None
2. Design	\$135,000	City is moving forward and commissioning a concept study fall 2012 to develop a vision of the corridor with participation from the community.
3. Right of way	\$10,000	None
4. Utilities	\$10,000	None
5. Construction	\$472,500	None
6. Contingency	\$50,000	None
7. Total Cost	\$677,500	

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?

10. Expected Annual Maintenance Cost

0	Note
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Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
11. Design	2013	HURF	135,000	Not Available	135,000
12. Right of way and Utilities	2013	HURF	20,000	Not Available	20,000
13. Construction	2015	HURF	26,932	445,568	472,500
			181,932	445,568	627,500

Pedestrian, Bicycle and Shared-Use Facility Project Application from Phoenix for '32nd Street from SR-51 to Reach 11'

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: *Rick Nalmark*

Name: Rick Nalmark

Title: Deputy City Manager

Date: September 18, 2012

WILL FILL OUT AFTER QUESTIONS APPROVED.

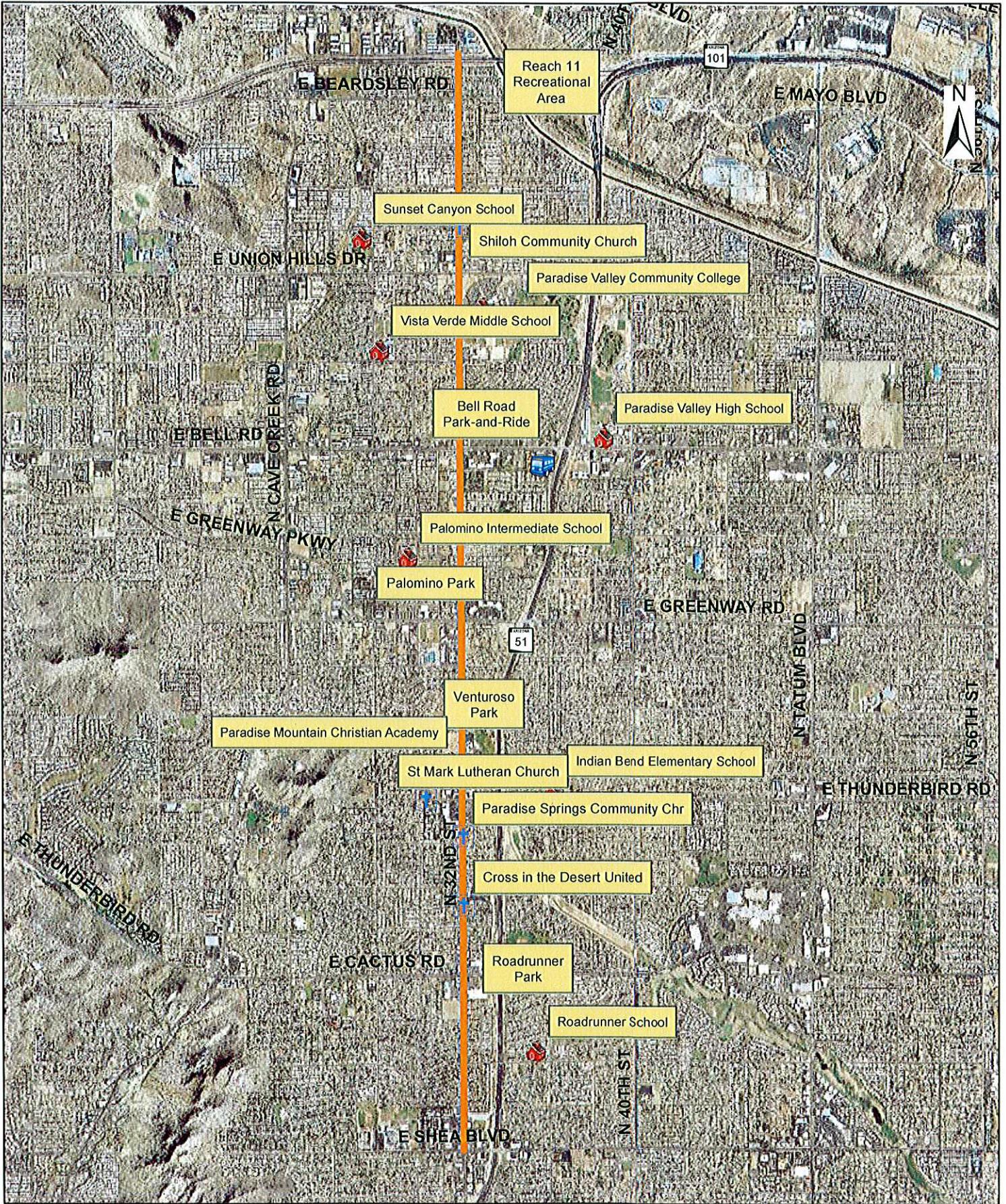
Checklist - OPTIONAL

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 Phoenix for '32nd Street from SR-51 to Reach 11'

32nd Street from SR-51 to Reach 11

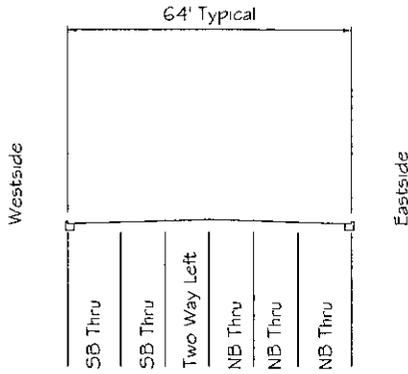


 Project Location

 Park-and-Ride

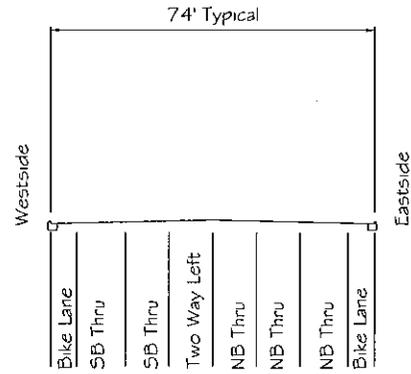
 Church

 School



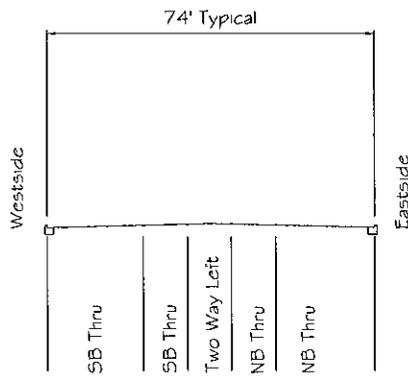
Existing Typical Section
Shea Boulevard to Bell Road

EXCEPTIONS:
Flares at Shea Blvd, Cactus Road, Thunderbird Road,
Greenway Road, Bell Road

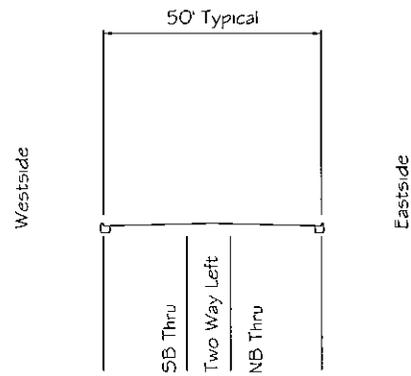


Existing Typical Section
Bell Road to Beardsley Road

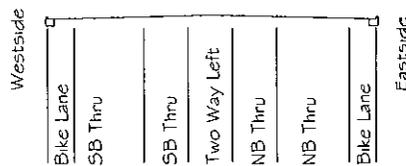
EXCEPTIONS:
Flares at Bell Road, Union Hills Drive



Existing Typical Section
Beardsley Road to Loop 101

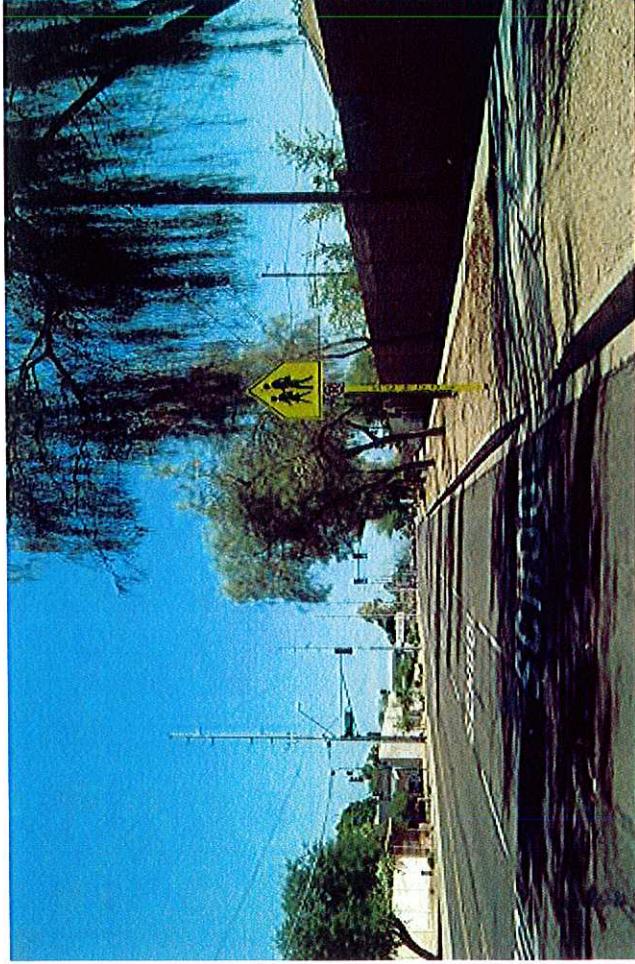


Existing Typical Section
Loop 101 to Rose Garden Lane

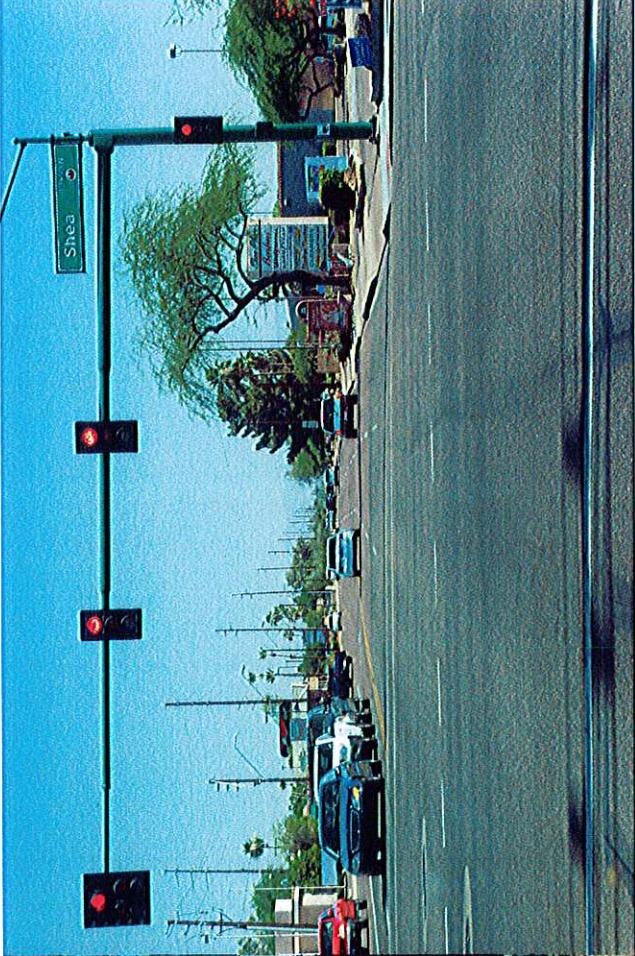


Proposed Typical Section
Shea Boulevard to Loop 101

32nd Street
Typical Sections
Shea Boulevard to Rose Garden Lane/CAP Canal



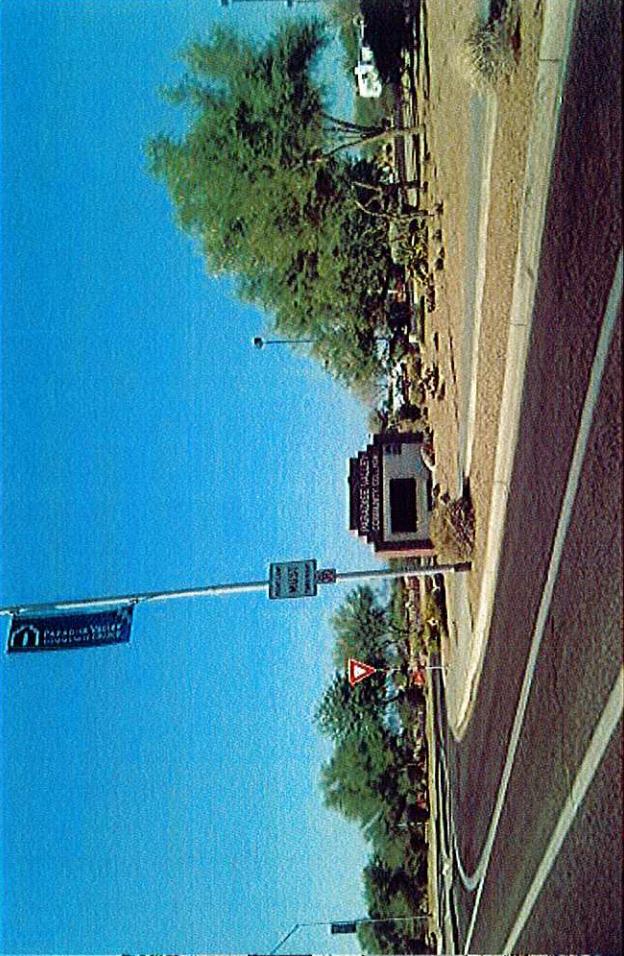
32nd St. N. of Nisbet looking North



32nd St and Shea looking North



32nd St school zone looking North



32nd St & Union Hills PV Community College

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%)	
A. Scoping (15% Preliminary Engineering Design)	Locally Funded	1. SITE TOPOGRAPHIC SURVEY	LS	1	\$25,000.00	\$25,000.00	\$0.00	FALSE	\$0.00	\$25,000.00	
		2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$30,000.00	\$30,000.00	\$0.00	FALSE	\$0.00	\$30,000.00	
		3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting	LS	1	\$30,000.00	\$30,000.00	\$0.00	FALSE	\$0.00	\$30,000.00	
		4. HAZMAT ASSESSMENT	LS	1	\$10,000.00	\$10,000.00	\$0.00	FALSE	\$0.00	\$10,000.00	
		Subtotal Scoping (Part A)				\$95,000.00		\$0.00	\$95,000.00		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	Locally Funded	1. Right-of-Way Acquisition	LS	1	\$0.00	\$0.00	\$0.00	FALSE	\$0.00	\$0.00	
		2. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$30,000.00	\$30,000.00	\$0.00	FALSE	\$0.00	\$30,000.00	
		3. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$5,000.00	\$5,000.00	\$0.00	FALSE	\$0.00	\$5,000.00	
		4. DRAINAGE REPORT	LS	1	\$0.00	\$0.00	\$0.00	FALSE	\$0.00	\$0.00	
		5. SWPPP	LS	1	\$5,000.00	\$5,000.00	\$0.00	FALSE	\$0.00	\$5,000.00	
		Subtotal PE (Part B)				\$40,000.00		\$0.00	\$40,000.00		
C. Construction Or Implementation For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4	Locally Funded	1. Hardscape Construction	LS	1	\$5,000.00	\$5,000.00	\$0.00	TRUE	\$4,715.00	\$285.00	
		Site Preparation	LS	1	\$10,000.00	\$10,000.00	\$0.00	TRUE	\$9,430.00	\$570.00	
				Sawcut	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				Remove Structures and Obstructions	LS	1	\$10,000.00	\$10,000.00	TRUE	\$9,430.00	\$570.00
				Remove Fencing	LF	1	\$0.00	\$0.00	TRUE	\$33.01	\$2.00
				Remove Structural Concrete	CY	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				Remove Asphaltic Concrete Pavement	SY	4,000	\$8.00	\$32,000.00	TRUE	\$30,176.00	\$1,824.00
				Remove Concrete Sidewalks, Slabs	SF	200	\$1.75	\$350.00	TRUE	\$330.05	\$19.95
				Hazmat Abatement	LS	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				Utility Relocation	LS	1	\$120,000.00	\$120,000.00	TRUE	\$113,160.00	\$6,840.00
				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	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)	LF	1	\$30.00	\$30.00	TRUE	\$28.29	\$1.71
				Curb & Gutter	CY	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				Aggregate Base	CY	500	\$5.00	\$2,500.00	TRUE	\$2,357.50	\$142.50
				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 Color Concrete	SF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				Precast Concrete Pavers	SF	1	\$7.50	\$7.50	TRUE	\$7.07	\$0.43
		Asphaltic Concrete	Ton	1	\$120.00	\$120.00	TRUE	\$113.16	\$6.84		
		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		
		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		
		Crosswalk Enhancement	SF	500	\$12.00	\$6,000.00	TRUE	\$5,658.00	\$342.00		
		Pedestrian ADA Ramp	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
		Culvert Extensions	Each	20	\$140,000.00	\$2,800,000.00	TRUE	\$2,640,400.00	\$159,600.00		
		Pedestrian Lighting Including Conduit And Trenching	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
		Handrail	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
		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				\$2,986,042.50		\$2,815,838.08	\$170,204.42		

2. Landscaping & Irrigation Items	Trees Above 15 Gallon in Size As Required Per Local Code Or Special Design Requirements	Each	1	\$350.00	\$350.00	TRUE	\$330.05	\$19.95
	Trees (15 Gallon Size)	Each	1	\$120.00	\$120.00	TRUE	\$113.16	\$6.84
	Trees (5 Gallon Size)	Each	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Shrubs (5 Gallon Size)	Each	1	\$15.00	\$15.00	TRUE	\$14.15	\$0.86
	Shrubs (1 Gallon Size)	Each	1	\$7.00	\$7.00	TRUE	\$6.60	\$0.40
	Cactus (5 Gallon Size)	Each	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Mulch	CY	1	\$85.00	\$85.00	TRUE	\$80.16	\$4.85
	Decomposed Granite Organic	CY	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Topsoil	CY	1	\$100.00	\$100.00	TRUE	\$94.30	\$5.70
	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	LS	1	\$50,000.00	\$50,000.00	TRUE	\$47,150.00	\$2,850.00
	Drip	LS	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	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Directional Bore	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Cut and Patch	LF	1	\$15.00	\$15.00	TRUE	\$14.15	\$0.86
	Landscaping Header Curb	LF	1	\$15.00	\$15.00	TRUE	\$14.15	\$0.86
	System	LF	1	\$15.00	\$15.00	TRUE	\$14.15	\$0.86
	Landscaping Establishment	LS	1	\$6,000.00	\$6,000.00	TRUE	\$5,658.00	\$342.00
	Subtotal Landscaping & Irrigation Items				\$56,692.00		\$53,460.56	\$3,231.44
	Benches	Each	1	\$2,050.00	\$2,050.00	TRUE	\$1,933.15	\$116.85
	Seatwalls	LF	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Bike Racks	Each	1	\$1,200.00	\$1,200.00	TRUE	\$1,131.60	\$68.40
	Trash Receptacles	Each	1	\$600.00	\$600.00	TRUE	\$565.80	\$34.20
	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	\$2,000.00	\$2,000.00	TRUE	\$1,886.00	\$114.00
	Subtotal Site Furnishings				\$5,850.00		\$5,516.55	\$333.45
	Traffic Signal Modifications	LS	1	\$40,000.00	\$40,000.00	TRUE	\$37,720.00	\$2,280.00
	Pedestrian Push Button Additions and Adjustments	LS	1	\$15,000.00	\$15,000.00	TRUE	\$14,145.00	\$855.00
	Traffic Signage	LS	1	\$10,000.00	\$10,000.00	TRUE	\$9,430.00	\$570.00
	Traffic Striping	LS	1	\$20,000.00	\$20,000.00	TRUE	\$18,860.00	\$1,140.00
	Asphalt Concrete Base	Ton	1	\$85.00	\$85.00	TRUE	\$80.16	\$4.85
	Asphalt Concrete Surface Course	Ton	1	\$85.00	\$85.00	TRUE	\$80.16	\$4.85
	Permanent Pavement Replacement	SY	1	\$45.00	\$45.00	TRUE	\$42.44	\$2.57
	Subtotal Other Construction				\$85,215.00		\$80,357.75	\$4,857.26
	Contractor Mobilization	LS	1	\$20,000.00	\$20,000.00	FALSE	\$0.00	\$20,000.00
	Traffic Control	LS	1	\$20,000.00	\$20,000.00	TRUE	\$18,860.00	\$1,140.00
	Construction Survey & Layout	LS	1	\$15,000.00	\$15,000.00	TRUE	\$14,145.00	\$855.00
	Construction Contingencies	LS	1	\$50,000.00	\$50,000.00	TRUE	\$47,150.00	\$2,850.00
	Construction Administration	LS	1	\$50,000.00	\$50,000.00	TRUE	\$47,150.00	\$2,850.00
	Subtotal Mobilization & Administration Costs				\$155,000.00		\$127,305.00	\$27,695.00
	Subtotal Construction Or Implementation Cost (Part C)				\$3,423,799.50		\$3,082,477.93	\$206,321.57
	D. Total Scoping, PE and Construction (Part A, B, and C)				\$3,423,799.50		\$3,082,477.93	\$206,321.57
	E. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part D))				\$68,475.99	FALSE	\$0.00	\$68,475.99
	F. Total Project Cost Including ADOT Fees (Part D + Part E)				\$3,492,275.49		\$3,082,477.93	\$369,797.56