

**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**

<b>Contact Information</b>	
1. Sponsoring Agency	Buckeye
2. Contact Name	Woody Scoutten, P.E.
3. Phone	623.349.6204
4. E-Mail Address	wscoutten@buckeyeaz.gov
5. Mailing Address	530 East Monroe Avenue, Buckeye AZ 85326
<b>Project Description</b>	
6. Please provide the Project Title.	Rainbow Road/Lower Buckeye Road Multi-Use Detached Sidewalk
7. Please provide a general description of the project (Please no more then 200 characters)	
Multi Use sidewalk to connect over 20,000 persons to the "Destination" located at Rainbow Road and Lower Buckeye Road	
8. Please attach a map <b>with streets labeled</b> showing the location(s) <b>of the bicycle/shared-use facility.</b>	<b>Please attach map with transmittal</b>

**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 type="checkbox"/>	Bicycle lane (5' min. with curb/gutter)		<a href="#">Link MAG Webpage for Map of PM-10 Monitor Locations</a>
<input checked="" type="checkbox"/>	Shared-use path (10' min.)	<input 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 type="checkbox"/>	Sidewalk (5' min.)	<input type="checkbox"/>	Signalized crossing
<input checked="" type="checkbox"/>	Wide sidewalk (8' min.)	<input type="checkbox"/>	Signalized midblock crossing/HAWK
<input checked="" 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.

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)

Rainbow Road Only

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.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology used for the ADT Estimate

The above ADT estimate was collected prior to the "Destination" being open for use. The traffic study approved by the Town and MCDOT shows that the "Destination" can expect another 3250 ADT once the "Destination" is fully build-out. Phase 1 complete will be complete in Oct 2012 which is expected to attract roughly half of the built-out traffic (1625 ADT). Thus, at build-out the background traffic of 1648 + 3250 has been assumed for the background traffic of 4898 ADT.

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.

The Rainbow Road segment is currently within the jurisdiction of Maricopa County. The Town of Buckeye will request either an easement from Maricopa County or partial annexation of right-of-way for the segment of the multi-use trail. A letter of support from Maricopa County is included in this application for this segment. The Town of Buckeye has recently annexed the portion of right-of-way within Lower Buckeye Road or owns the land for the multi-use trail to terminate at the "Destination"

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.

There are existing 12 kV electric lines that are located along the western portion of the Rainbow Road alignment that will need to be coordinated. In addition, along Lower Buckeye Road the proposed improvements will partially be located within high voltage transmission line easements and approvals from those easements will be required. Drainage from the Sundance Master Planned Community and the County subdivisions to the north currently impact the proposed multi-use trail segment.

**Section 2 - Proposed Improvements**

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

Project is to install a 10' multi-use trail with low water use landscaping along Rainbow Road. The proposed landscaping will not have a dedicated irrigation system but instead a landscaping monitoring plan in place by Public Works staff. Should the low water use landscaping need irrigation the Town will utilize a water truck to water said landscape during long periods of limited precipitation. The area is subject to off-site flows from the north that should help provide natural irrigation to the proposed improvements. This multi-use trail will then extend to the west along Lower Buckeye Road to the "Destination". Some of these improvements will be located in existing high voltage transmission line easements and will have landscape restrictions on the type of plants to be used. The Town will commit funds to operate and maintain this segment provided this project is funded.

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

- |                                     |   |       |  |
|-------------------------------------|---|-------|--|
| <input checked="" type="checkbox"/> | AASHTO Guide for Bicycle Facilities           | Other |  |
| <input checked="" type="checkbox"/> | MAG Pedestrian Policies and Design Guidelines |       |  |
| <input 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 area to the north of the proposed "Destination" has a population of approximately 20,000 persons that do not have a "Destination" facility with Town programs or educational opportunities. This project will provide the opportunity to link those persons to the "Destination" and provide a safe means of pedestrian and bicycle access in moving pedestrian and bikes from roadways to dedicated paths. Without this project it will be a deterrent to those 20,000 persons that could bike, jog, run or walk to the "Destination" for two reasons; (i) Travel speeds on Rainbow Road are in excess of 60 mph and (ii) no dedicated path has been installed for use by the public.

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

The portion of the Project within Rainbow Road has recently been graded by MCDOT removing all existing vegetation. The eastern portion of Lower Buckeye Road has also been recently graded while the western portion of Lower Buckeye Road remains as native desert.

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

- |                          |  |                    |                       |
|--------------------------|--|--------------------|-----------------------|
| <input type="checkbox"/> | Wide bike lanes (6'-7')                          | Buffer Zone, Width |                       |
| <input type="checkbox"/> | Grade-separated crossing (overpass or underpass) |                    | Approximately 25 feet |
| <input type="checkbox"/> | Signalized crossing                              |                    |                       |
| <input type="checkbox"/> | Path lighting                                    | Other              |                       |

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

- |                                     |  |                    |                       |
|-------------------------------------|--|--------------------|-----------------------|
| <input checked="" type="checkbox"/> | Wide sidewalk (8' min.)                          | Buffer Zone, Width |                       |
| <input type="checkbox"/>            | Grade-separated crossing (overpass or underpass) |                    | Approximately 25 feet |
| <input type="checkbox"/>            | Signalized crossing                              |                    |                       |
| <input type="checkbox"/>            | Path lighting                                    | Other              |                       |
| <input type="checkbox"/>            | Shade  |                    |                       |

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

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

<input type="text" value="0"/>	Number of Drinking Fountains	<input type="text" value="30"/>	Number of Trees/shade structures
<input type="text" value="0"/>	Number of Way-finding Signs		
<input type="text" value="0"/>	Number of Bike racks/lockers	Other	
<input type="text" value="1"/>	Number of Trash receptacles	<input type="text"/>	
<input type="text" value="0"/>	Number of Seating/Rest(s)		

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

<input type="text" value="0"/>	Number of Drinking Fountains	<input type="text" value="35"/>	Number of Trees/shade structures
<input type="text" value="0"/>	Number of Way-finding Signs		
<input type="text" value="0"/>	Number of Trash receptacles	Other	
<input type="text" value="0"/>	Number of Seating/Rest(s)	<input type="text"/>	

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

The bike/pedestrian facilities connecting the Sundance Master Planned Community end at Durango. To get to the "Destination" those bicyclists or pedestrians must travel on a dirt shoulder with vehicular travel speeds in excess of 60 mph. This multi-use path will buffer those bicyclists and pedestrians from the non-contained (no curb) vehicular travel along Rainbow Road.

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

This project will provide a ADA accessible route for those persons within the Sundance Master Planned Community and surrounding subdivisions to be able to enjoy the Town programs and educational opportunities provided at the "Destination".

19. Connectivity: (Check all that apply)

<input checked="" type="checkbox"/>	Project fills a gap in the system
<input checked="" type="checkbox"/>	Project connects to other local facilities
<input type="checkbox"/>	Project is on a regional facility
	Regional Facility Name
	<input type="text"/>
<input checked="" type="checkbox"/>	Multi Jurisdictional Project
	List of Participating Jurisdictions
	Maricopa County
	<input type="text"/>
<input type="text" value="0"/>	Number of transit routes and Park & rides served.
	List: route number(s)/park & ride(s) served.
	<input type="text"/>

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:  
"Destination" will have these uses. Worship Site
- 1/4 mile to 1/2 mile  
List:
- 1/2 mile to 1 mile  
List:  
Inca Elementary, Sundance Recreation Center

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:  
Sundance Golf Club and Restaurant, Sundance Towne Center, Watson Marketplace

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

- Within 1/4 mile  
List:  
Freedom Elementary
- 1/4 mile to 1/2 mile  
List:
- 1/2 mile to 1 mile  
List:  
Inca Elementary

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:	Recommended
With new development and capital improvement projects, bike lanes on collector streets are:	Not Addressed
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Not Addressed
With new development or during development retrofits, shared-use paths are:	Recommended
Bicycle program implemented, including bike education, safety events, and bike maps	Not Addressed
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  
Policy 1.1 and 1.7 of Town of Buckeye General Plan - "Ensure that there are physical connections (such as trails, roadways, and transit) between master planned communities, smaller subdivisions, and established neighborhoods." "Promote walkable built environments with safe, comfortable, and convenient pedestrian-oriented facilities conducive to bicyclists, the physically handicapped, transit users, and those of all ages. Discourage designs that promote sedentary lifestyles or automobile-only options. Provide multiple route connections for pedestrians to avoid barriers to walkability."

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

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

This project will be advertised to the general public through the Town's newsletter, communication through the Sundance HOA and through notification by project signage on site.

28. How will you determine customer satisfaction/evaluation?

A question will be included in the survey of the residents regarding trails and likes and dislikes for the proposed trail section.

**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	87,000	None
3. Right of way	0	None
4. Utilities	0	None
5. Construction	411,322	Construction Administration also includes applicable permits, construction management and inspection costs
6. Contingency	30,000	None
7. Total Cost	548,322	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?

10. Expected Annual Maintenance Cost  Trimming of trees/shrubs annually and water truck during long periods of no precipitation

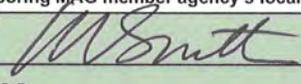
Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
11. Design	2013	General Fund	107,000	Not Available	107,000
12. Right of way and Utilities	2013	General Fund		Not Available	0
13. Construction	2015	Impact Fees	48,730	392,592	441,322
			155,730	392,592	548,322

Pedestrian, Bicycle and Shared-Use Facility Project Application from Buckeye for 'Rainbow Road/Lower Buckeye Road Multi-Use Detached Sidewalk'

**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: Woody Scoutten, P.E.

Title: Town Engineer

Date: 9-18-12

**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

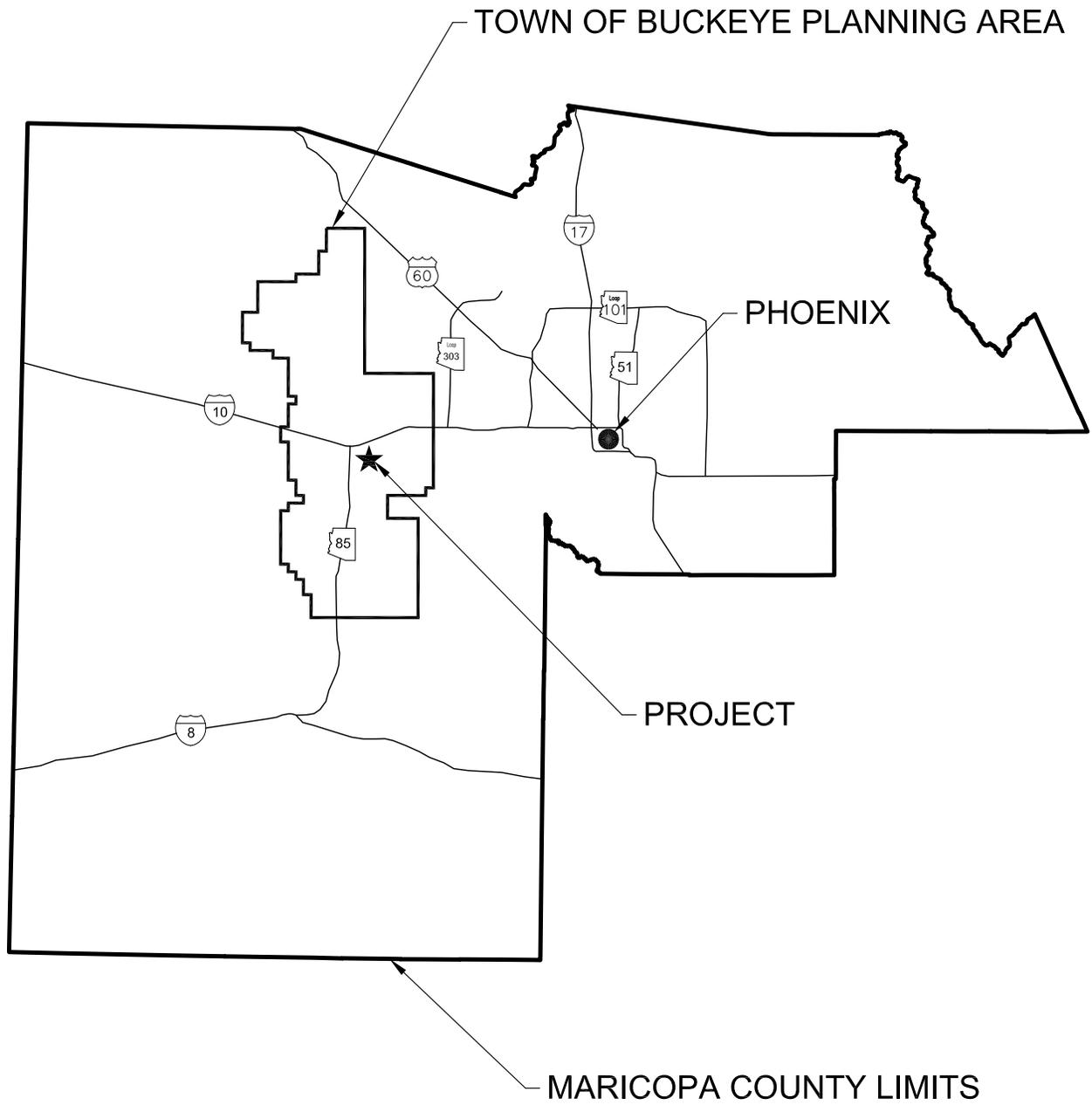
Name, title and date fields are completed.

Pedestrian, Bicycle and Shared-Use Facility Project Application from Buckeye for 'Rainbow Road/Lower Buckeye Road Wide Detached Sidewalk for Bikes and Pedestrians'

# 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	\$5,000.00	\$5,000.00	FALSE	\$0.00	\$5,000.00			
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting		LS	1	\$30,000.00	\$30,000.00	FALSE	\$0.00	\$30,000.00			
	4. HAZMAT ASSESSMENT		LS	1	\$10,000.00	\$10,000.00	FALSE	\$0.00	\$10,000.00			
	<b>Subtotal Scoping (Part A)</b>					<b>\$50,000.00</b>		<b>\$0.00</b>	<b>\$50,000.00</b>			
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	\$40,000.00	\$40,000.00	FALSE	\$0.00	\$40,000.00			
	3. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report		LS	1	\$5,000.00	\$5,000.00	FALSE	\$0.00	\$5,000.00			
	4. DRAINAGE REPORT		LS	1	\$10,000.00	\$10,000.00	FALSE	\$0.00	\$10,000.00			
	5. SWPPP		LS	1	\$2,000.00	\$2,000.00	FALSE	\$0.00	\$2,000.00			
	<b>Subtotal PE (Part B)</b>					<b>\$57,000.00</b>		<b>\$0.00</b>	<b>\$57,000.00</b>			
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	\$10,000.00	\$10,000.00	TRUE	\$9,430.00	\$570.00		
		Site Preparation		LS	1	\$8,000.00	\$8,000.00	TRUE	\$7,544.00	\$456.00		
		Demolition	Sawcut		LF	75	\$10.00	\$750.00	TRUE	\$707.25	\$42.75	
			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	
			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	2,000	\$4.00	\$8,000.00	TRUE	\$7,544.00	\$456.00	
			Drainage Excavation		CY	8,000	\$6.00	\$48,000.00	TRUE	\$45,264.00	\$2,736.00	
			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	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
		Pathway Or Sidewalk Materials	Concrete		SF	39,600	\$3.00	\$118,800.00	TRUE	\$112,028.40	\$6,771.60	
			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	
		Crosswalk Enhancement	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		
		Pedestrian ADA Ramp		SF	2,000	\$3.00	\$6,000.00	TRUE	\$5,658.00	\$342.00		
		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	
		<b>Subtotal Hardscape Construction</b>					<b>\$199,550.00</b>		<b>\$188,175.65</b>	<b>\$11,374.35</b>		
2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements		Each	66	\$750.00	\$49,500.00	TRUE	\$46,678.50	\$2,821.50			
	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	120	\$100.00	\$12,000.00	TRUE	\$11,316.00	\$684.00			
	Shrubs (1 Gallon Size)		Each	100	\$50.00	\$5,000.00	TRUE	\$4,715.00	\$285.00			

Part	Item Description		Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
		Cactus (5 Gallon Size)	Each	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00		
		Mulch	Decomposed Granite	CY	1	\$0.00	\$0.00	TRUE	\$0.00	\$0.00	
			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	2	\$15,000.00	\$27,272.73	TRUE	\$25,718.18	\$1,554.55	
		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	
		<b>Subtotal Landscaping &amp; Irrigation Items</b>					\$93,772.73		\$88,427.68	\$5,345.05	
	3. Site Furnishings	Benches		Each	2	\$1,000.00	\$2,000.00	TRUE	\$1,886.00	\$114.00	
		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	2	\$500.00	\$1,000.00	TRUE	\$943.00	\$57.00	
		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	
		<b>Subtotal Site Furnishings</b>					\$3,000.00		\$2,829.00	\$171.00	
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)				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	
					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		
<b>Subtotal Other Construction</b>					\$0.00		\$0.00	\$0.00			
5. Mobilization And Administration Costs	Contractor Mobilization		LS	1	\$5,000.00	\$5,000.00	FALSE	\$0.00	\$5,000.00		
	Traffic Control		LS	1	\$5,000.00	\$5,000.00	TRUE	\$4,715.00	\$285.00		
	Construction Survey & Layout		LS	1	\$10,000.00	\$10,000.00	TRUE	\$9,430.00	\$570.00		
	Construction Contingencies		LS	1	\$30,000.00	\$30,000.00	TRUE	\$28,290.00	\$1,710.00		
	Construction Administration		LS	1	\$75,000.00	\$75,000.00	TRUE	\$70,725.00	\$4,275.00		
	<b>Subtotal Mobilization &amp; Administration Costs</b>					\$125,000.00		\$113,160.00	\$11,840.00		
<b>Subtotal Construction Or Implementation Cost (Part C)</b>						<b>\$421,322.73</b>		<b>\$392,592.33</b>	<b>\$28,730.40</b>		
<b>D. Total Scoping, PE and Construction (Part A, B, and C)</b>						<b>\$528,322.73</b>		<b>\$392,592.33</b>	<b>\$135,730.40</b>		
<b>E. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part D))</b>						<b>\$20,000.00</b>	FALSE	\$0.00	\$20,000.00		
<b>F. Total Project Cost Including ADOT Fees (Part D + Part E)</b>						<b>\$548,322.73</b>		<b>\$392,592.33</b>	<b>\$155,730.40</b>		



**NORTH**

**INTERSTATE-10**

HIGHLAND  
SIERRA

SUNDANCE  
COVE

SUNDANCE

SUNDIAL AT  
SUNDANCE

ARACIA  
CROSSING

SUNDANCE  
CADENCE

SUNDANCE  
TOWN  
CENTER



SUNDANCE  
ACTIVE ADULT  
VILLAGE



WINDMILL VILLAGE

SUNDANCE  
ELEMENTARY



WATSON  
MARKET  
PLACE

YUMA ROAD

LEAF  
VERDE

APACHE ROAD

WATSON  
ESTATES



ESTATES COURTS  
AT SUNDANCE

WORSHIP  
SITE



VISTA AT  
SUNDANCE

BUENA  
VISTA

INCA  
ELEMENTARY



SUNDANCE  
SHADOWS

DURANGO STREET

FREEDOM  
ELEMENTARY

WATSON  
ESTATES

SKYLINE  
WEST

PHOENIX  
SKYLINE WEST

YOUNKERS  
HIGH SCHOOL

LOWER  
BUCKEYE  
ROAD

PROJECT

DESTINATION

ESTRELLA  
VISTA

R.I.D. CANAL

WATSON ROAD

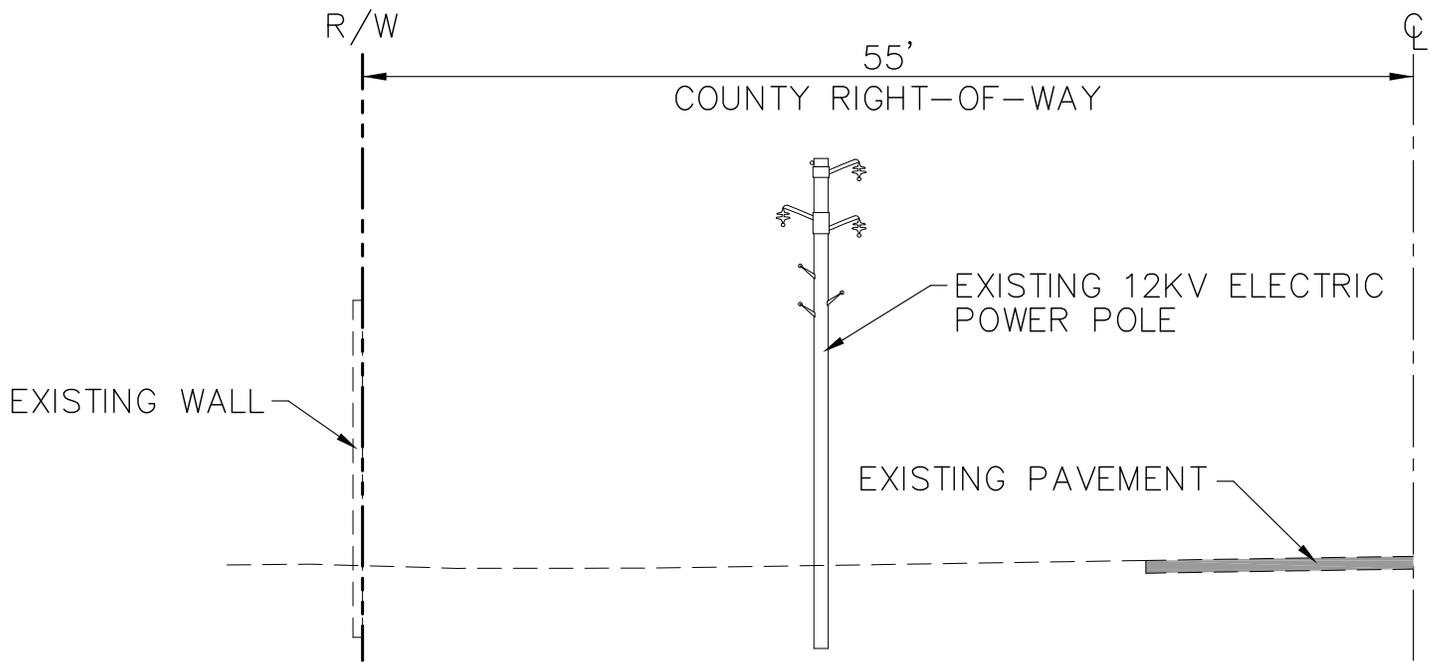
RAINBOW ROAD

DEAN ROAD

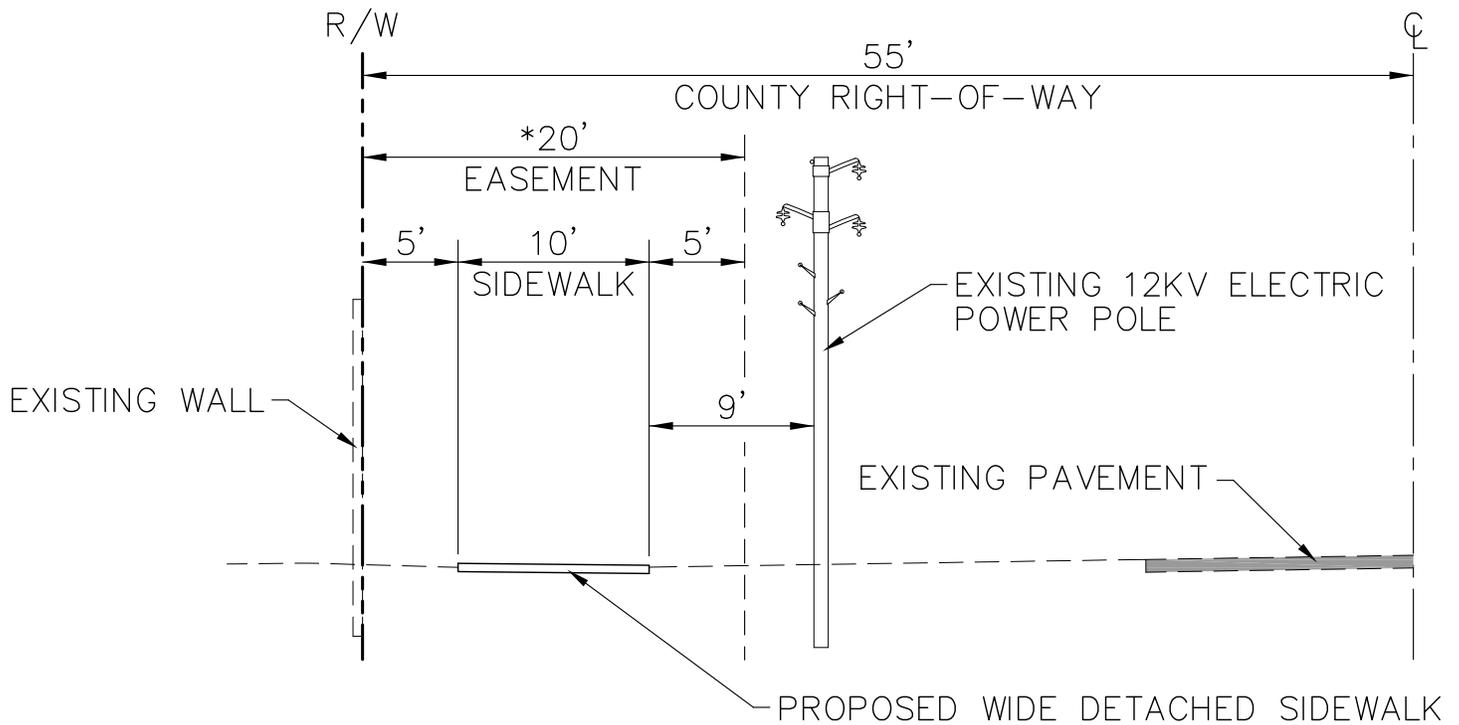
M.A.G. FEDERAL FUNDS

RAINBOW ROAD WIDE DETACHED SIDEWALK  
VICINITY MAP

W.C. Scoutten, Inc.  
Municipal Engineers and Planners



**RAINBOW ROAD  
EXISTING CROSS SECTION  
(WEST HALF)**



**RAINBOW ROAD  
PROPOSED CROSS SECTION  
(WEST HALF)**

\*20' EASEMENT FOR TOWN OF BUCKEYE  
WIDE DETACHED SIDEWALK MAINTENANCE.



# RAINBOW ROAD / LOWER BUCKEYE ROAD WIDE DETACHED SIDEWALK



LOWER BUCKEYE ROAD  
CONSTRUCTION COMPLETE  
SEPTEMBER 2012

DESTINATION





Durango St

SPEED  
LIMIT  
45

City of Phoenix  
Public Works Department  
2015-2016



SPEED  
LIMIT  
25











# Maricopa County

Department of Transportation

2901 W. Durango St  
Phoenix, AZ 85009  
Phone: 602-506-8672  
Fax: 602-506-4882  
www.maricopa.gov

September 18, 2012

Woody Scoutten  
Town of Buckeye  
530 East Monroe Avenue  
Buckeye, AZ 85326

Subject: Letter of Support for CMAQ projects.

Dear Mr. Scoutten,

On behalf of the Maricopa County Department of Transportation (MCDOT), support the Town of Buckeye in their MAG FY 2014 to FY 2018 Transportation Improvement Program CMAQ application for the following projects:

- Watson North of I-10 (PM-10 Paving)
- Rainbow Road (Bicycle and Pedestrian)
- Lower Buckeye Road (Bicycle and Pedestrian)

Please note that MCDOT's support is contingent to the Town's annexation of the project's roads and right-of-ways prior to the start of each project.

Sincerely,

A handwritten signature in blue ink, appearing to read "John B. Hauskins".

John B. Hauskins, P.E., Director  
Maricopa County Department of Transportation