

Transportation Alternatives (TA) / CMAQ Application For FY 2023 and FY 2024 Projects



Due: September 16, 2019 at 10:00 a.m.

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Est. TA Amount Available in Millions: \$5.9., and \$5.2 (\$11.1 total)

Est. CMAQ Amount Available in Millions: \$11.3, and \$9.9 (\$21.2 total)



INSTRUCTIONS AND SCHEDULE

**The due date and time for project applications to be submitted to MAG is
Monday, September 16, 2019 at 10:00 a.m.**

General Instructions

This Excel form is to be used to request federal Transportation Alternatives (TA) and CMAQ funding available through the Maricopa Association of Governments (MAG) for projects to be included in the FY2020-FY 2024 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2023 and 2024.

Applications are due to MAG on **Monday, September 16, 2019 at 10:00. Late applications will not be accepted.**

This application form includes:

- Instructions and Schedule
- Cover Sheet
- Part A - Contact and Project Description
- Part B - Detailed Project Description
- Part C - Required and Optional Attachments
- Part D - Cost Estimate Spreadsheet
- PART E - Budget and Signature Page
- Part F - Checklist
- GIS Submittal Instructions
- ADOT Fee Sheet
- Transportation Alternatives Program and Map
- Congestion Mitigation Air Quality Program and Map

Each part is a separate tab of this excel file. Please complete the Cover Sheet and Parts A - F. Alternative application forms are available upon request.

Transmittal Instructions

Send the following to MAG:

- a. A completed Excel spreadsheet application in MS Excel format (do not send a PDF or Fax instead of the spreadsheet)
- b. A PDF copy of Part F of the Excel spreadsheet with the signature block signed and dated
- c. A PDF copy of all required attachments

Two methods are provided to transmit files to MAG as follows:

Method 1 EMAIL: To Email the application to MAG, please do the following:

1. Save the files to be transmitted to MAG in a place you can find. Zip all files to submit into a single file.
2. Click on the following hyperlink to open an email window, attach the application files and press the send button.

[EMAIL APPLICATION TO MAG](#)

Method 2 DROPBOX: If the application is to large to be sent by email or you would like immediate confirmation of your transmittal, please do the following:

1. Save all files to be transmitted to MAG in a place you can find
2. ZIP the files
3. Click the following hyperlink to upload the files to Dropbox

[DROP THE APPLICATION IN THE BOX](#)

Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Workshop/Open Working Group
Tuesday, August 6, 2019	10:00:00 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications

INSTRUCTIONS AND SCHEDULE

**The due date and time for project applications to be submitted to MAG is
 Monday, September 16, 2019 at 10:00 a.m.**

Tuesday, August 13, 2019	10:00:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Tuesday, August 27, 2019	1:00:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications

* All meetings will be held on the 2nd floor of the MAG Offices at 302 N. 1st Avenue, Phoenix, AZ 85003

MAG Contact Information

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Jason Stephens	602-254-6300	Jstephens@azmag.gov
Teri Kennedy	602-254-6300	TKennedy@azmag.gov
Stephen Tate	602-452-5010	STate@azmag.gov



Transportation Alternatives / CMAQ Application for
FY 2023 and FY 2024 Projects

67th Avenue Bike Lanes - Missouri to Myrtle

City of Glendale

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 16, 2019 at 10:00 a.m.**

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Glendale: 67th Ave Bike Lanes - Missouri to Myrtle

PART A - CONTACT AND PROJECT DESCRIPTION**Contact Information**

1. Name of Sponsoring Agency	Glendale
2. Agency Contact Name	Patrick Sage
3. Phone Number of Agency Contact	623.930.2945
4. E-Mail Address of Agency Contact	psage@glendaleaz.com
5. Mailing Address of Agency Contact	6210 W Myrtle Ave Glendale, AZ, 85301

Project Description

6. Please provide the Project Title.	67th Ave Bike Lanes - Missouri to Myrtle
7. Please provide a concise, specific description of the project (250 character limit):	
<p>This project will create dedicated bike lanes on both sides 67th Ave within the existing pavement, primarily by reducing the width of travel lanes and medians, and modifying gutter widths where needed.</p>	
8. Please provide the project limits:	
<p>The south project terminus for the project is Missouri Avenue. The north terminus is Myrtle Avenue. The corridor measures 1.75 miles.</p>	

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

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.

NOTE: For Part B, Questions 14-20, the specified distance will vary (and update automatically) depending on the project type identified in Part B, Question 1. Pedestrian-only projects will use a distance of 1/4 mile, while bicycle and Shared-Use projects will use a distance of 1/2 mile.

1. Please select which funding source(s) this project is applying for. Check all that apply.

- Congestion Mitigation and Air Quality (CMAQ)
- Transportation Alternatives (TA)

2. What type of project is this? (Check all that apply)

- | | |
|---|---|
| <input checked="" 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) | <input type="checkbox"/> Wide Sidewalk (8' min.) |
| <input type="checkbox"/> Buffered Bike Lane | <input type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input type="checkbox"/> Signalized Crossing |
| <input type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input type="checkbox"/> Sidewalk (5' min.) | <input type="text"/> |
| <input type="checkbox"/> Planning Study | |

3. What other major elements are included in this project? (Check all that apply)

- | | |
|--|---|
| <input type="checkbox"/> Bridge (overpass) | Other: |
| <input type="checkbox"/> Tunnel (underpass) | <input type="text" value="Bicycle detection loops at signalized intersections."/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|--|
| <input type="checkbox"/> Number of Bike racks/lockers | <input type="checkbox"/> Number of Seating/Rest Area(s) |
| <input type="checkbox"/> Number of Drinking Fountains | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Way-finding Signs | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Trash receptacles | Other: |
| <input type="checkbox"/> Number of Trees | <input type="text"/> |
| <input type="checkbox"/> Number of new openings in street walls | |
| <input type="checkbox"/> Number of Shade Structures | |

5. Please describe the existing condition of the project site and any problem(s) being addressed.

67th Avenue from Missouri Avenue to Myrtle Avenue is a minor arterial street measuring 1.75 miles in length, with an Annual Average Daily Traffic of 24,900 automobiles (2018), and contains five traffic signals located every half mile. The speed limit is 40 miles per hour. The street is primarily configured with two travel lanes in both directions, and a continuous center left turn lane that transitions into a raised median at the major intersections approaches for Bethany Home Road and Glendale Avenue. The corridor includes sidewalks and bus stops along both sides, but no bike lanes or other bike-specific infrastructure is present.

The corridor almost fully developed, with adjacent land uses that include single and multi-family residential (including several large apartment complexes), retail/commercial, religious, educational, light industrial, institutional, and some vacant/agricultural.

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

6. Please describe the work being done and improvements being made as part of this project.

This project will create directional bike lanes on both sides 67th Avenue in the project corridor, primarily by reallocating existing pavement area. Adding bike lanes will require modifications to the existing street configuration that will include the following actions: reductions in the widths of travel lanes from 12 feet to 10.5 feet; reductions in width of existing raised medians; and modifications to existing gutter widths. The proposed bike lanes will measure between 5.5 and 6.5 feet wide for 1.5 miles of the project, depending on the available pavement width. However, the bike lanes will be restricted to a width of 4 feet wide for a few short sections totaling 0.25 miles, due to extreme constraints in those areas.

7. What do you hope to achieve with this project?

The purpose of this project is to provide multi-modal access to destinations along 67th Avenue and mobility through the area. Sidewalks and bus stops along the corridor offer pedestrian access and transit connections, but no bicycle facilities exist along this street to accommodate that transportation mode. This project will build towards the overall regional bicycle connectivity by providing higher quality routes along an arterial street for commuting directly to jobs, accessing regional transit service, and more efficiently traveling to local and regional destinations.

8. Safety improvements to be included for this project: (Check all that apply)

<input type="checkbox"/>	Medians with pedestrian crossing islands	Other <div style="border: 1px solid black; height: 100px; width: 100%;"></div>
<input checked="" type="checkbox"/>	Roadway Reconfiguration (Road Diet)	
<input checked="" type="checkbox"/>	Striping/re-striping to narrow vehicle lanes	
<input type="checkbox"/>	Color pavement or similar treatment	
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	Landscape buffer between sidewalk and roadway	
<input type="checkbox"/>	Rectangular Rapid Flash Beacon (RRFB)	
<input type="checkbox"/>	Driver Feedback Sign	

9. Does this project include a road safety education component?

<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No

Please Explain:

10. How does this project or planning study address safety?

Currently, bicyclists must either share space with automobiles by using the street travel lanes, or mix with pedestrians by using the sidewalks. The addition of bike lanes will provide bicyclists with the opportunity to ride on the street in a designated space separated from automobiles, reducing opportunities for auto/bike conflicts. Bike lanes will also decrease opportunities for bike/pedestrian conflicts by reducing the number bikes mixing with slower pedestrians on sidewalks.

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

The project does not proposed any direct improvements to ADA facilities. However, the expected reduction of bicyclists on sidewalks has the potential to provide safer sidewalks for use by persons with disabilities.

12. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:

This project will provide a more efficient, bicycle specific connection to adjacent land uses from the surrounding neighborhoods, by creating a 1.75 mile arterial link in the existing bicycle network. This link will significantly improve bike access to a variety of destinations and transit service along the corridor, and mobility to destinations beyond, through improved movement between homes, transit stops and commercial areas.

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

13. How does the project create a sense of place?

Enhancing the ability of residents to access their neighborhood destinations more comfortably and efficiently via biking, a human-scaled transportation mode, will strengthen their identification with the neighborhood.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

New bike facilities will connect into existing facilities on intersecting streets (Myrtle, Maryland and Missouri).

Project connects to other local bikeways

List of connected bikeways:

Multi Jurisdictional Project (please include letter of support (See Part C)

List of Participating Jurisdictions:

Total length of bikeways directly connected by this project (in miles)

15. Number of transit stops this project will connect to. Do NOT count major transit facilities (park and rides, transit centers, etc.) in this question. List associated route(s) and their peak frequency, using Valley Metro as the source.

Within 1/2 mile

16. Number of transit routes serviced by the transit stops in question 15 that this project will connect to. List associated route(s) and their peak frequency, using Valley Metro as the source.

Within 1/2 mile

List routes and frequency:

(Route # followed by peak frequency) #67 - 30 min; #50 - 20 min; #60 - 30 min; #70 - 15 min; #90 - 30 min; #106 - 30 min; Glendale Urban Shuttle (GUS1) 1 - 30 min.

17. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:

Within 1/2 mile

List:

18. Number of non-commercial activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

Within 1/2 mile

List:

7 parks and recreation facilities; Glendale HS stadium and baseball fields; Boys & Girls Clubs of Metro Phoenix; Superior Court of AZ/Maricopa County Probation Dept.

19. Number of commercial and employment destinations (malls, retail centers, business parks, etc.) this project will benefit (for example, a mall is ONE destination; do NOT count every store in a mall as a separate destination):

Within 1/2 mile

List:

Superior Court of AZ/Maricopa County Probation Dept. complex; City of Glendale Field Operations Complex; Frys Bethany Plaza; Value Village Shopping Center; Los Altos Ranch Market Center.

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

20. Number of K-8 public schools this project will benefit:

Within 1/2 mile
 List:

21. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:

Within 1/2 mile
 List:

22 Number of activity centers for air quality cost effectiveness (i.e. bank, church, hospital, health care facility, light rail station, park-and-ride lot, office park, post office, public library, shopping area, grocery store, university or junior college):

Within 1/4 miles
 List:

1/4 miles to 1/2 miles
 List:

23. What are the demographics of the area served: [MAG Demographic Mapping](#)

<p><input type="text" value="9762"/> People Per Square Mile</p> <p><input type="text" value="38.2"/> % Families in Poverty</p>	<p>Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the left-hand side of the screen, under select "Reports", then select "Custom Geography". Next, click the "Corridor of Interest" button. Left-click to begin drawing. Draw a line through all census block groups adjacent to your project, left-clicking where needed to change the direction of the line. Double-click to finish drawing the line. The selected census block groups will become highlighted in blue. A panel will appear with a report that summarizes the selected block groups. You may export the results to Excel (click the "Export to Excel" button) for your records</p>
--	---

24. Please provide the following information on the facility on which the improvement will be located.

For a linear project, please enter the Facility Name, Starting Limit and Ending Limit:

For a point project (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](#)

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

25. Please provide an estimated traffic volume (ADT) on the nearest parallel arterial.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology and Source used for the ADT Estimate

The City of Glendale's Traffic Count Program performs traffic counts biennially or based on available funding. Traffic volume data is collected and verified using tube counters and video technology. The traffic count data collected is represented as Annual Average Daily Traffic (AADT) volumes which are adjusted using Seasonal Adjustment Factors.

https://www.glendaleaz.com/live/city_services/transportation_services/neighborhood_traffic_mitigation_/traffic_counts

26. 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.

There are no known cultural, historic or biological resources in the project corridor. There are also no known hazardous materials or other environmental issues. The project is not expected to include new ground disturbance.

27. 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

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

The project is expected to remain within the existing street right of way.

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

29. Please indicate whether all parcels for this project have been inventoried.

Yes No

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

<input type="checkbox"/>	No Utility in or abutting the alignment	<input type="checkbox"/>	Private Structures
<input checked="" type="checkbox"/>	Canals & Drainage		
<input checked="" type="checkbox"/>	Power Lines & Cables		Other:
<input checked="" type="checkbox"/>	Pipelines, Sewer and Water		<input type="text"/>

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

Water lines and sanitary sewer infrastructure located within the 67th Avenue right of way under the pavement for the entire length of the project. Storm water catch basins and drain pipes are also present in the right of way, but primarily near the intersections of Ocotillo Rd, Maryland Ave, Rose Lane, Bethany Home Rd, and Missouri Ave. Considering this is an urban arterial in an area that is fully developed, it is expected that electric power, cable and telecommunication utilities will be present in the right of way as well.

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	<input type="text" value="Other: USDOT/FHWA Manual of Uniform Traffic Control Devices for Streets and Highways"/>
<input type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	
<input checked="" type="checkbox"/>	MAG Complete Streets Guide	
<input type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input type="checkbox"/>	MAG Valley Path Brand & Wayfinding Signage Guidelines	
<input checked="" type="checkbox"/>	NACTO Urban Bikeway Design Guide	
<input type="checkbox"/>	RPTA Bus Stop Program and Standards	

33. Jurisdiction has the following policies for improved bicycle/shared use facilities:

With new development and capital improvement projects, bike lanes on arterial streets are:	<input type="text" value="Recommended"/>
With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Recommended"/>
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<input type="text" value="Recommended"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Recommended"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="Yes"/>
Complete Streets Policy	<input type="text" value="No"/>

34. The project is: (Check one)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
 List:

Consistent with general policy/practices, but not formally identified (provide source)
 Explain:

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

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART B-DETAILED PROJECT DESCRIPTION

35. How will the applicant measure the success of this project?

The project will be considered successful through the inclusion of a bicycle-specific facility along 67th Avenue. The city will be providing residents and other users with an additional mobility option to access destinations along 67th Avenue, connect to transit, and travel to areas beyond the project corridor.

36. Will bicycle/pedestrian count technology be incorporated? Will the devices broadcast automatic updates or require manual data collection? If manual, how will the agency identify staff resources to dedicate to collecting the data?

No.

37. Will the project include an education/marketing component upon completion of construction, to publicize the project and increase citizen awareness of the project impact and benefits? If yes, please describe below.

Yes. The Transportation Department includes a Traffic Education Program Manager who will incorporate the project in their ongoing education and outreach, using various social media platforms in conjunction with traditional outreach methods.

38. Will the project include wayfinding signage elements? If yes, please describe below.

No.

Part C - Required Attachments
<p>Listed below are the required attachments for this project application. These attachments are intended to demonstrate the need of the project. They should clearly show the segment alignment and features that connect to other bicycle, pedestrian, and/or shared-use facilities, as well as washes, canals, railroad crossings, and other crossing features that may affect the project.</p> <p><u>PLEASE INCLUDE EACH ATTACHMENT AS A SEPARATE .JPEG OR .PDF FILE ON YOUR APPLICATION CD.</u></p> <p>Please insert ALL attachments at the end of your printed application, in the order they are listed below. See below for alternate submission requirements for GIS coverage files.</p>
Required Attachments:
<p>1) Please attach a map showing the general location of the proposed project in relation to the region, including a north arrow.</p>
<p>2) Please attach a map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow.</p>
<p>3) Please attach up to four photos indicating existing conditions in the project area (two 4x6 photos per page).</p>
<p>4) Please attach a simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel.</p>
OPTIONAL Attachments:
<p>(OPTIONAL) Attach up to two photos showing what the completed project will look like, if available (these can be photoshop, renderings, etc.).</p>
<p>(OPTIONAL) Attach up to three (3) letters of support for the project.</p>
<p>(OPTIONAL) If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions"</p>

Glendale - 67th Ave Bike Lanes - Missouri to Myrtle

PART D - PROJECT COST ESTIMATE WORKSHEET
(Cost Estimates Are Required Regardless of Programming)

REQUESTED PROGRAMMING	Location Description		67th Avenue from Missouri Avenue to Myrtle Avenue									
	Work Description	Funding Source	Bike lane addition and associated roadway improvements									
COST ESTIMATE FOR PROCUREMENT			UNITS	Q U A	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL			
PROCUREMENT	Place for entering item #1	EA	1					Yes				
	Place for entering item #2	EA						No				
	Place for entering item #3	EA						No				
	Place for entering item #4	EA						No				
	Place for entering item #5	EA						No				
	Place for entering item #6	EA						No				
	Place for entering item #7	EA						No				
	Place for entering item #8	EA						No				
	Place for entering item #9	EA						No				
	Place for entering item #10	EA	1					No				
	Place for entering item #11	EA						No				
	Place for entering item #12	EA						No				
	Place for entering item #13	EA						No				
	Place for entering item #14	EA						No				
	Place for entering item #15	EA						No				
	Place for entering item #16	EA						No				
	Place for entering item #17	EA						No				
	Place for entering item #18	EA						No				
	Place for entering item #19	EA						No				
	Place for entering item #20	EA	1					Yes				
TOTAL - PROCUREMENT												
DESIGN	Topographic Survey	LS	1		6,300	6,300	No		6,300			
	Design Concept Report (DCR)	LS	1		3,800	3,800	No		3,800			
	Federal Project Environmental Determination	LS	1		14,800	14,800	No		14,800			
	HAZMAT Assessment	LS	1		15,200	15,200	No		15,200			
	SUBTOTAL - PRELIMINARY ENGINEERING COSTS					40,700			40,700			
	Plans, Specifications, Cost Estimates, Bidding	LS	1		258,000	258,000	No		258,000			
	Geotechnical Report	LS	0				No					
	Drainage Report	LS	0				No					
	SWPPP	LS	1		7,200	7,200	No		7,200			
	SUBTOTAL - FINAL DESIGN COSTS					265,200			265,200			
	TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING					305,900			305,900			
	RIGHT OF WAY	Appraisals and Title Reports	LS	0				No				
		Road Right of Way	LS	0				No				
		Temporary Construction Easements	LS	0				No				
		Drainage Easement	LS	0				No				
Utility Easements/Right of Way		LS	0				No					
Aerial Electrical Easement		LS	0				No					
Sign Relocations		LS	0				No					
Relocation Expenses		LS	0				No					
Site Environmental Assessments		EA	0				No					
Building Demolition		EA	0				No					
Other Right of Way Expenses		EA	0				No					
Other Right of Way Expenses		EA	0				No					
Other Right of Way Expenses		EA	0				No					
TOTAL - RIGHT OF WAY COSTS												
CONSTRUCTION		Relocate 69 kv (+) Poles	EA	0				Yes				
	Relocate/Underground 12 kv lines	LF	0				No					
	Relocate/Underground Irrigation Canal	LF	0				No					
	SWG Relocations	LS	0				No					
	Telephone/Cable TV Relocations	LS	0				No					
	Upgrade Railroad Crossings	LS	0				No					
	Other Utilities	LS	1		1,000	1,000	Yes	943	5			
	Other Utilities	LS	1				No					
	SUBTOTAL - UTILITY RELOCATION COSTS					1,000		943	5			
	1. Hardscape Construction	Installation Of SWPP Measures	LS	0				Yes				
		Site Preparation	LS	1				No				
		Demolition	Sawcut	SY	1,143		1,143	Yes	1,078	65		
			Remove Structures and Obstructions	LS	0				No			
			Remove Fencing	LS	0				No			
			Remove Structural Concrete	LF	0				No			
			Remove Asphaltic Concrete Pavement	SY	1,143		2,286	Yes	2,156	131		
		Hazard Abatement	Remove Concrete Sidewalks, Slabs	SF	0				No			
			Retaining Wall - Reinforced Concrete Cantilevered	LS	0				No			
			General Excavation	SY	1,143		9,144	Yes	8,623	521		
		Earthwork	Drainage Excavation	LS	0				No			
			Structural Excavation	SY	0				No			
			Structural Backfill	SY	0				No			
		Curb & Gutter	Borrow (In Place)	SY	0				No			
			Aggregate Base	Concrete	LF	1,469		18	26,442	Yes	24,935	1,507
				Colored Concrete	SY	326		15	4,890	Yes	4,611	279
			Pathway Or Sidewalk Materials	Concrete	SF	0				No		
				Stamped Color Concrete	SF	0				No		
				Precast Concrete Pavers	SF	0				No		
				Asphaltic Concrete	SF	326		35	11,410	Yes	10,760	650
				Polymer or Resin Stabilized Surface	SF	0				No		
			Crosswalk Enhancement	Concrete Pavers	EA	0				No		
				Stamped Asphalt	EA	0				No		
				Stamped Concrete	EA	0				No		
			Pedestrian ADA Ramp	Concrete	LF	0				No		
				Integral Color Concrete	LF	0				No		
			Culvert Extensions	LF	0					No		
				LF	0					No		
		Pedestrian Lighting Including Conduit And Trenching	SF	0					No			
			EA	0					No			
		Handrail	Standard	EA	0				No			
			Decorative	LF	0				No			
		SUBTOTAL HARDSCAPE CONSTRUCTION						55,315		52,162	3,153	
		2. Landscaping & Irrigation Items	Trees Above 15 Gallon in Size As Required Per Local Code Or Special Design Requirements	EA	0				No			
			Trees (15 Gallon Size)	EA	0				No			
	Trees (5 Gallon Size)		LS	0				No				
	Shrubs (5 Gallon Size)		EA	0				No				
	Shrubs (1 Gallon Size)		EA	0				No				
	Cactus (5 Gallon Size)		LF	0				No				
	Mulch		Decomposed Granite	SY	108		8	864	Yes	815	49	
			Organic	EA	0				No			
	Topsoil		EA	0				No				
	Seeding		EA	0				No				
	Turf Sod		EA	0				No				
	Boulders		LF	0				No				
	Irrigation System		Drip	LF	0				No			
Turf			LF	0				No				
Sleeving For Irrigation System	Directional Bore		LF	0				No				
	Cut and Patch	LF	0				No					
Landscape Header Curb	LF	0				No						
Landscape Establishment	LF	0				Yes						
SUBTOTAL LANDSCAPING & IRRIGATION ITEMS						864		815	49			
3. Site Furnishings	Benches	LF	0				No					
	Seatwalls	EA	0				No					
	Bike Racks	EA	0				No					
	Trash Receptacles	EA	0				No					
	Drinking Fountains	EA	0				No					
Signage (Standard Traffic Control)	EA	0				No						

MOBILIZATION AND ADMINISTRATION COSTS	CONTRACTOR MOBILIZATION (Typically 8% of construction cost)	12%	179,207	Yes	168,992	10,215		
	TRAFFIC CONTROL (0-8% of construction cost)	4%	59,736	Yes	56,331	3,405		
	CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)	10%	149,339	Yes	140,827	8,512		
	CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)	18%	268,811	Yes	253,489	15,322		
TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING			2,150,487		2,027,909	122,578		
SUBTOTAL - MOBILIZATION & ADMINISTRATION COSTS			657,093		619,638	37,454		
TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING			2,150,487		2,027,909	122,578		
ADOT REVIEW FEE	Please enter 'Yes' if your agency is certified accepted by ADOT for construction		No					
	ADOT Review Fee		Agency	RA	HOUR	TOTAL	USES FEDERAL AID	FEDERAL LOCAL
	Contracts and Specs \ Advertise Project		Non CA	55	100	\$ 5,500	No	- 5,500
	District \ Review Stage Submittals		Non CA	50	40	\$ 2,000	No	- 2,000
	Environmental Planning \ Issue Clearance		All	50	40	\$ 2,000	No	- 2,000
	Right of Way \ Issue Clearance		Non CA	55	24	\$ 1,320	No	- 1,320
	Compliance Review \ Compliance Review		Non CA	40	5	\$ 7,000	No	- 7,000
	Project Management Group \ Project Management		Non CA	100	5	\$ 12,000	No	- 12,000
	Project Management Group \ Project Management		CA, On	60	5	\$ -	No	- -
	Utilities and Railroad Sections \ Issue Clearance		Non CA	50	24	\$ 1,200	No	- 1,200
						\$ 31,020		- 31,020
	TOTAL COST ESTIMATE					\$ 2,487,407		2,027,909 459,498

Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART E - Budget and Signature Page								
Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
Design, excludes ADOT review fees	67th Avenue from Missouri Avenue to Myrtle Avenue	Bike lane addition and associated roadway improvements	2024	Local	\$ -	\$ 305,900	\$ 305,900	100.0%
Construction	67th Avenue from Missouri Avenue to Myrtle Avenue	Bike lane addition and associated roadway improvements	2024	CMAQ	\$ 2,027,909	\$ 122,578	\$ 2,150,487	5.7%
Total Programmed					\$ 2,027,909	\$ 428,478	\$ 2,456,387	17.4%
ADOT Design Review Fee					\$ -	\$ 31,020	\$ 31,020	100.0%
Total Cost					\$ 2,027,909	\$ 459,498	\$ 2,487,407	18.5%
Signature: To be signed with printed hard copy that is sent to MAG								
As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.								
Signature:								
Name: Trevor Ebersole								
Title: Transportation Department Director								
Date: September 16, 2019								

Part F - Checklist

This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

COVER SHEET		Complete?
Cover Sheet is completely filled out		Yes
PART A - Contacts and Project Description Fields		Complete?
Contact Information, fields 1 – 5 are complete		Yes
Project Description, fields 6 - 8 are complete		Yes
PART B - Project Description		Complete?
Fields 1 - 14 (Project Description) are complete		Yes
Fields 15 - 17 (Transit) are complete		Yes
Fields 18 – 22 (Attractors and Demographics) are complete		Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete		Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete		Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete		Yes
PART C - Required Attachments		Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.		Yes
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.		Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).		Yes
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.		Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.		No
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.		No
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.		Yes
PART D - Cost Estimate Worksheet		Complete?
PROCUREMENT (Not applicable for construction projects)	REQUESTED PROGRAMMING (Rows 4-7)	Complete?
	Location Description	
	Work Description	
	Funding Source	
	Preferred Year to Program Work	
	PROCUREMENT/STUDY COSTS (Rows 9-29)	
DESIGN (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 30-33)	Complete?
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	PRELIMINARY ENGINEERING (Rows 35-38)	Yes
	FINAL DESIGN (Rows 40-43)	Yes

Part F - Checklist

RIGHT OF WAY (Applicable only if ROW is to be acquired)	REQUESTED PROGRAMMING (Rows 46-49)	Complete?
	Location Description	
	Work Description	
	Funding Source	
	Preferred Year to Program Work	
	RIGHT OF WAY COST (Rows 51-63)	
CONSTRUCTION (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 55-58)	Complete?
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities) (Rows 90-97)	Yes
	CONSTRUCTION COST	Complete?
	1. Hardscape Construction (rows 99-131)	Yes
	2. Landscaping & Irrigation Items (Rows 133-150)	Yes
	3. Site Furnishings (Rows 152-159)	Yes
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects.(Rows 161-170)	Yes
	MOBILIZATION AND ADMINISTRATION COSTS (Rows 173-176)	Yes
ADOT REVIEW FEE	Please enter 'Yes' if your agency is certified accepted by ADOT for construction (Cell E179)	No
PART E - Budget and Signature Page		Complete?
Name, title and date fields under the signature are completed.		No
PART F - Signature and Checklist		Complete?
Entire checklist is completed.		No

Instructions for the Submittal of GIS Data for CMAQ Funding Applications

It is preferred that, when possible, member agencies submit GIS data representing the locations of projects defined in their CMAG Applications. For member agencies unable to meet this requirement, MAG staff is available to assist in this area. Please contact Nicole Funicello at nfunicello@azmag.gov if assistance is needed.

Submission Requirements

GIS Data – Please provide GIS data for each geometry type (point, line, polygon). Example: if you are submitting Project Applications that are for both linear features (bike lanes) and point features (crossings), you would submit a total of two GIS datasets.

File Formats – Agencies that are able to submit GIS data along with CMAQ Applications shall provide the data in formats that are compatible with ESRI products such as shapefiles (.SHP) or Geodatabases (.GDB). Google Earth files (.KMZ or .KML) are also acceptable file formats.

Spatial Reference – The preferred spatial reference system of submitted GIS data is State Plane Arizona Central NAD 83 HARN, however, GIS datasets in any other projection will be accepted.

Attributes – All GIS data submitted shall, at a minimum, have the following attributes:

- **PROJECT_TITLE** – the name of the project; this should be the same as the Project Title in the Project Application
- **LOCATION** – (optional) a description of the location of the project. Linear features should be described by their start and end locations. Polygon features should be described using streets, water courses, canals, city boundaries, or other landmarks as a means of describing the location of the project.

<Provide screenshot showing graphic link between survey response in Excel and the attribute table.>

ADOT Review Fees for Certification Accepted Agencies/1

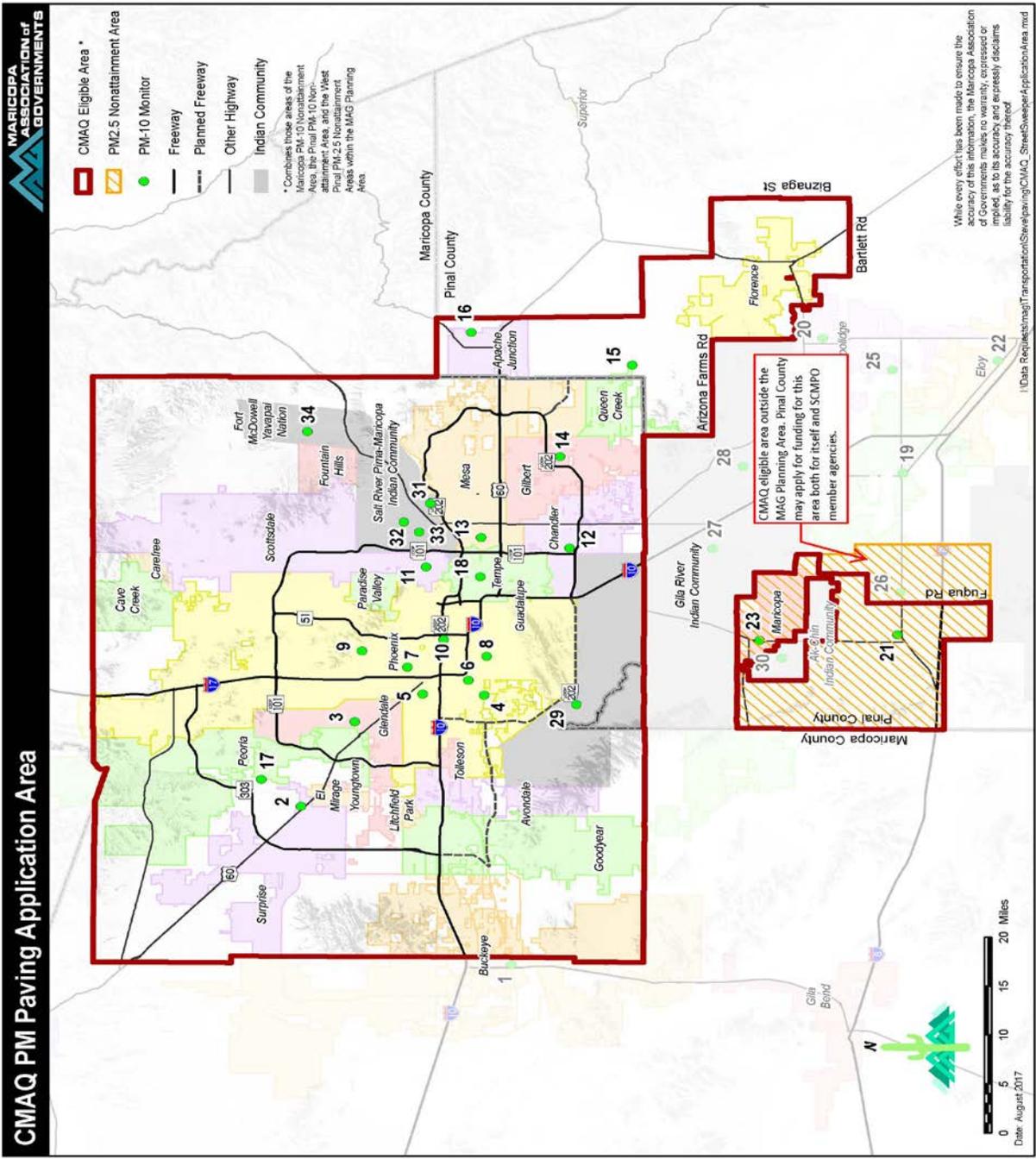
ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Environmental Planning	Issue Clearance	### ####	40	\$ 2,000
Project Management Group	Project Management	#### ###	60	\$ 7,200
SUBTOTAL			100	\$ 9,200
STAFF GRAND TOTAL				\$ 10,000

ADOT Review Fees for Non Certification Accepted Agencies/1

ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Contracts and Specs	Advertise Project	\$ 55	100	\$ 5,500
District	Review Stage Submittals	\$ 50	40	\$ 2,000
Environmental Planning	Issue Clearance	\$ 50	40	\$ 2,000
Right of Way	Issue Clearance	\$ 55	24	\$ 1,320
Compliance Review	Compliance Review	\$ 175	40	\$ 7,000
Project Management Group	Project Management	\$ 120	100	\$ 12,000
Utilities and Railroad Sections	Issue Clearance	\$ 50	24	\$ 1,200
SUBTOTAL			368	\$ 31,020
STAFF GRAND TOTAL				\$ 31,000

Notes:

1. Based on material provided by ADOT in April 5, 2019. All functions, rates, hours and costs are as listed in the material provided by ADOT. Items listed in the ADOT information for which no



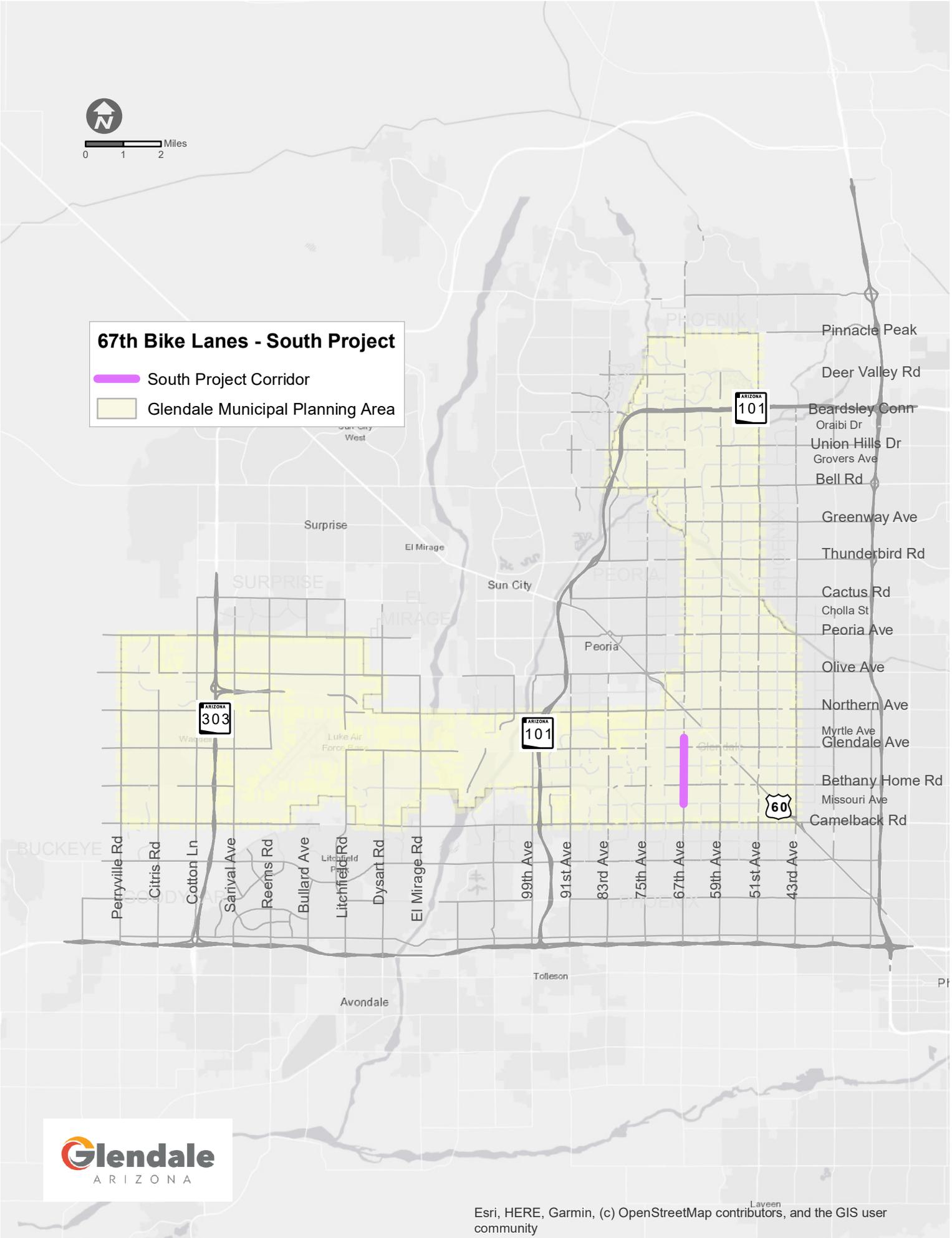
Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 W. 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 N. Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 W. Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd Avenue	3940 W. Broadway Road	Phoenix	Maricopa	Maricopa County AQD
5	40130019	West Phoenix	3847 W. Earll Drive	Phoenix	Maricopa	Maricopa County AQD
6	40139812	Durango Complex	2702 RC Ester Brook Boulevard	Phoenix	Maricopa	Maricopa County AQD
7	40139997	JLG Supersite	4530 N. 17th Avenue	Phoenix	Maricopa	ADEQ
8	40134003	South Phoenix	33 W. Tamarisk Avenue	Phoenix	Maricopa	Maricopa County AQD
9	40131004	North Phoenix	601 E. Butler Drive	Phoenix	Maricopa	Maricopa County AQD
10	40133002	Central Phoenix	1645 E. Roosevelt Street	Phoenix	Maricopa	Maricopa County AQD
11	40133003	South Scottsdale	2857 N. Miller Road	Scottsdale	Maricopa	Maricopa County AQD
12	40134004	West Chandler	275 S. Ellis Street	Chandler	Maricopa	Maricopa County AQD
13	40131003	Mesa	310 S. Brooks Circle	Mesa	Maricopa	Maricopa County AQD
14	40134006	Higley	3391 E. Vest Avenue	Gilbert	Maricopa	Maricopa County AQD
15	40213009	Combs School	301 E. Combs Road	Queen Creek	Pinal	Pinal County AQCD
16	40213002	Apache Junction Fire Station	3955 E. Superstition Boulevard	Apache Junction	Pinal	Pinal County AQCD
17	40134016	Zuni Hills	10851 W. Williams Road	Sun City	Maricopa	Maricopa County AQD
18	40134005	Tempe	1515 S. College Avenue	Tempe	Maricopa	Maricopa County AQD
19	40210001	Casa Grande Downtown	401 N. Marshall Street	Casa Grande	Pinal	Pinal County AQCD
20	40213004	Coolidge Maintenance Yard	212 E. Broadway	Coolidge	Pinal	Pinal County AQCD
21	40213015	Hidden Valley	43750 W. Carefree Place	Maricopa	Pinal	Pinal County AQCD
22	40213014	Eloy County Complex	801 N. Main Street	Eloy	Pinal	Pinal County AQCD
23	40213016	(City of) Maricopa County Complex	19955 N. Wilson Avenue	Maricopa	Pinal	Pinal County AQCD
24	40213007	Pinal Air Park	Water Well #2, Pinal Air Park Road	Marana	Pinal	Pinal County AQCD
25	40213011	Pinal County Housing Complex	970 N. Eleven Mile Corner Road	Casa Grande	Pinal	Pinal County AQCD
26	40213008	Stanfield County Complex	36697 W. Papago Drive	Stanfield	Pinal	Pinal County AQCD
27	40217004	Casa Blanca	3455 W. Casa Blanca Road	Bapchule	Pinal	Gila River Indian Community
28	40217001	Sacaton	45 S. Church Street	Sacaton	Pinal	Gila River Indian Community
29	40137003	St Johns	4208 W. Pecos Road	Laveen	Maricopa	Gila River Indian Community
30	40217030	Ak Chin	47685 W. Eco-Museum Road	Maricopa	Pinal	Ak Chin Indian Community
31	40137022	Lehi	3250 N. Stapley Drive	Mesa	Maricopa	Salt River Pima-Maricopa Indian Community
32	40137024	High School	4827 N. Country Club Drive	Scottsdale	Maricopa	Salt River Pima-Maricopa Indian Community
33	40137020	Senior Center	10844 E. Osborn Road	Scottsdale	Maricopa	Salt River Pima-Maricopa Indian Community
34	40135100	Fort McDowell	18791 Yuma Frank Road	Fort McDowell	Maricopa	Fort McDowell Indian Community

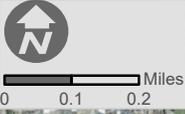


0 1 2 Miles

67th Bike Lanes - South Project

-  South Project Corridor
-  Glendale Municipal Planning Area





North Project Teminus:
Myrtle Avenue

67th Bike Lanes - South Project

South Project Teminus:
Missouri Avenue



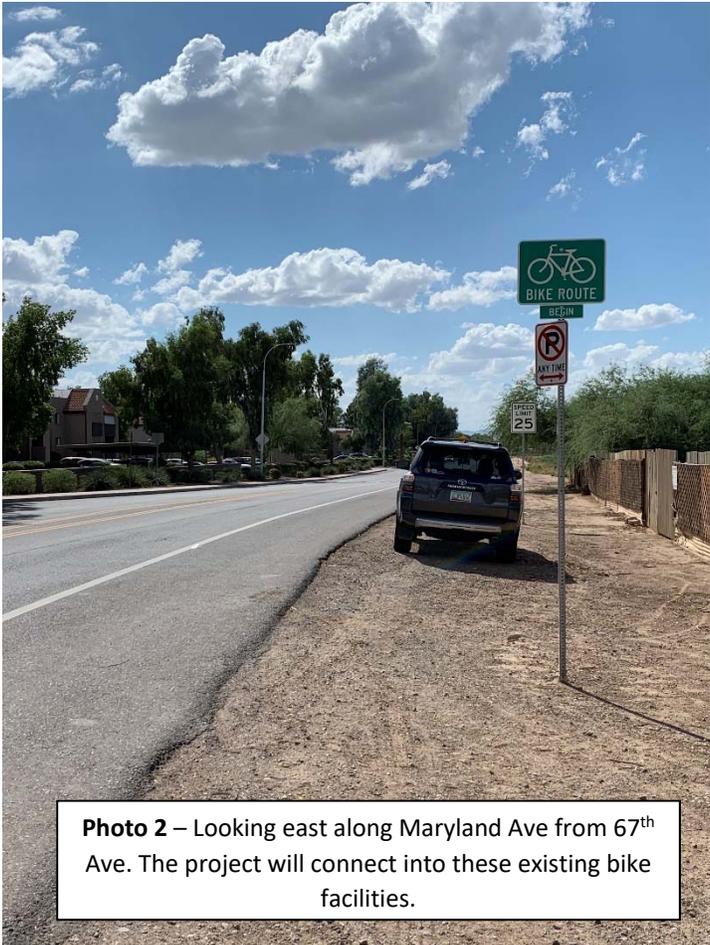




Photo 3 – 67th Ave looking south, approaching Bethany Home Rd. The raised, landscaped median in this area will require reduction in width to extend the bike lane through the intersection area.



Photo 4 – Looking west along Missouri Ave (south project terminus) where the new bike lanes on 67th Ave will connect with these existing bike facilities.

The 67th Avenue cross section below provides a sample existing cross section for the street. This section shows a 90 foot right of way width (front of building to the front of porch).



Glendale : 67th Ave Bike Lanes - Missouri to Myrtle

PART E - Budget and Signature Page

Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
Design, excludes ADOT review fees	67th Avenue from Missouri Avenue to Myrtle Avenue	Bike lane addition and associated roadway improvements	2024	Local	\$ -	\$ 305,900	\$ 305,900	100.0%
Construction	67th Avenue from Missouri Avenue to Myrtle Avenue	Bike lane addition and associated roadway improvements	2024	CMAQ	\$ 2,027,909	\$ 122,578	\$ 2,150,487	5.7%
Total Programmed					\$ 2,027,909	\$ 428,478	\$ 2,456,387	17.4%
ADOT Design Review Fee					\$ -	\$ 31,020	\$ 31,020	100.0%
Total Cost					\$ 2,027,909	\$ 459,498	\$ 2,487,407	18.5%

Signature: To be signed with printed hard copy that is sent to MAG

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

Signature:



Name: Trevor Ebersole

Title: Transportation Department Director

Date: September 16, 2019