

# 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	<a href="mailto:Jstephens@azmag.gov">Jstephens@azmag.gov</a>
Teri Kennedy	602-254-6300	<a href="mailto:TKennedy@azmag.gov">TKennedy@azmag.gov</a>
Stephen Tate	602-452-5010	<a href="mailto:STate@azmag.gov">STate@azmag.gov</a>



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

67th Avenue Bike Lanes - Myrtle to Cholla

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 - Myrtle to Cholla

**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	<a href="mailto:psage@glendaleaz.com">psage@glendaleaz.com</a>
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 - Myrtle to Cholla
7. Please provide a concise, specific description of the project (250 character limit):	<p>This project will create 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. Crossing Grand Ave will potentially involve widening and extending an existing sidewalk to create a multi-use path that connect with one street bike lanes. Grand Avenue crossing alternatives will be evaluated as part of a MAG Design Assistance grant that has been recommended by the Active Transportation Committee and is expected to be approved by the MAG Regional Committee in late 2019 or early 2020.</p>
8. Please provide the project limits:	<p>The south project terminus for the project is Myrtle Avenue. The north terminus is Cholla Street. The corridor measure 3.25 miles.</p>

Glendale : 67th Ave Bike Lanes - Myrtle to Cholla

**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" value="The project is expected to include bicycle detection at the signalized intersection of the 67th connector street to Grand"/> |
| <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 Myrtle Avenue to Cholla Street is a minor arterial street measuring 3.25 miles in length, with an Annual Average Daily Traffic of 27,000 automobiles (2018), and contains nine 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 intersections with Olive and Peoria avenues. A four lane bridge carries 67th Ave over Grand Ave, with Royal Palm Rd and the 67th Ave Access Rd providing the connection to Grand Ave. The corridor includes sidewalks and bus stops along both sides, but no bike lanes or other bike-specific infrastructure is present.

The corridor largely developed, with adjacent land uses that include light industrial south of the Grand Ave bridge. North of the bridge includes 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 - Myrtle to Cholla

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 2.5 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 0.5 miles, due to extreme constraints in those areas. The Grand Ave crossing will require 0.5 miles of mixed bike facility types, most likely a combination of on-street bike lanes and multi-use path.

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)

- Medians with pedestrian crossing islands
- Roadway Reconfiguration (Road Diet)
- Striping/re-striping to narrow vehicle lanes
- Color pavement or similar treatment
- Lighting
- Landscape buffer between sidewalk and roadway
- Rectangular Rapid Flash Beacon (RRFB)
- Driver Feedback Sign

Other

Empty box for other safety improvements.

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

- Yes
- No

Please Explain:

Empty box for explanation.

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 - Myrtle to Cholla

**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 lanes connect into existing bike facilities on intersecting streets (Myrtle, Mountain View, and Cholla).

Project connects to other local bikeways

List of connected bikeways:

Signed bike route/shoulder stripe on Cholla, Mountain View and Myrtle; Peoria bike lane on Mountainview.

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; #70 - 15 min; #90 - 30 min; #106 - 30 min; Glendale Urban Shuttle (GUS) 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:

6 public parks; Glendale HS stadium and baseball fields

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:

City of Glendale Field Operations Complex; Peoria Station Shopping Center and other retail in all 4 quads of 67th/Peoria intersection; 400 acres of contiguous industrial businesses in sw quad of 67th/Grand.

Glendale : 67th Ave Bike Lanes - Myrtle to Cholla

**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](#)

People Per Square Mile

% Families in Poverty

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

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 - Myrtle to Cholla

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](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.

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.

Glendale : 67th Ave Bike Lanes - Myrtle to Cholla

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)

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

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

Water lines and sanitary sewer infrastructure is located within the 67th Avenue right of way, often under the pavement, for the entire length of the project. From Orangewood Ave north to the project terminus at Cholla, a storm drain ranging in diameter from 60 inches to 72 inches is located underneath the street. 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)

AASHTO Guide for Bicycle Facilities  
 MAG Pedestrian Policies and Design Guidelines  
 MAG Complete Streets Guide  
 MAG Designing Transit Accessible Communities  
 MAG Valley Path Brand & Wayfinding Signage Guidelines  
 NACTO Urban Bikeway Design Guide  
 RPTA Bus Stop Program and Standards  
Other:

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:   
With new development and capital improvement projects, bike lanes on collector streets are:   
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:   
With new development or during development retrofits, shared-use paths are:   
Bicycle program implemented, including bike education, safety events, and bike maps   
Complete Streets Policy

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 - Myrtle to Cholla

**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.

<b>Part C - Required Attachments</b>
<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><b><u>PLEASE INCLUDE EACH ATTACHMENT AS A SEPARATE .JPEG OR .PDF FILE ON YOUR APPLICATION CD.</u></b></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>
<b>Required Attachments:</b>
<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>
<b>OPTIONAL Attachments:</b>
<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 - Myrtle to Cholla

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

REQUESTED PROGRAMMING	Location Description		67th Avenue from Myrtle Avenue to Cholla Street							
	Work Description	Funding Source	UNITS	Q U A	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL	
67th Avenue from Myrtle Avenue to Cholla Street										
Bike lane addition and associated roadway improvements										
CMAQ										
Preferred Year to Program Work			2024							
COST ESTIMATE FOR PROCUREMENT										
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		
<b>TOTAL - PROCUREMENT</b>										
67th Avenue from Myrtle Avenue to Cholla Street										
Bike lane addition and associated roadway improvements										
Local										
Preferred Year to Program Work			2023							
COST ESTIMATE FOR DESIGN										
DESIGN	Topographic Survey		LS	1	11,375	11,375				11,375
	Design Concept Report (DCR)		LS	1	4,800	4,800				4,800
	Federal Project Environmental Determination		LS	1	16,000	16,000				16,000
	HAZMAT Assessment		LS	1	18,000	18,000				18,000
	<b>SUBTOTAL - PRELIMINARY ENGINEERING COSTS</b>					<b>50,175</b>				<b>50,175</b>
	Plans, Specifications, Cost Estimates, Bidding		LS	1	318,800	318,800				318,800
	Geotechnical Report		LS	1						
	Drainage Report		LS	1						
	SWPPP		LS	1	8,807	8,807				8,807
	<b>SUBTOTAL - FINAL DESIGN COSTS</b>					<b>327,607</b>				<b>327,607</b>
<b>TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING</b>			<b>377,782</b>							
67th Avenue from Myrtle Avenue to Cholla Street										
Bike lane addition and associated roadway improvements										
Local										
Preferred Year to Program Work			2023							
COST ESTIMATE FOR RIGHT OF WAY										
RIGHT OF WAY	Appraisals and Title Reports		LS	1						
	Road Right of Way		LS	1						
	Temporary Construction Easements		LS	1						
	Drainage Easement		LS	1						
	Utility Easements/Right of Way		LS	1						
	Aerial Electrical Easement		LS	1						
	Sign Relocations		LS	1						
	Relocation Expenses		LS	1						
	Site Environmental Assessments		EA	1						
	Building Demolition		EA	1						
	Other Right of Way Expenses		EA	1						
	Other Right of Way Expenses		EA	1						
	Other Right of Way Expenses		EA	1						
<b>TOTAL - RIGHT OF WAY COSTS</b>										
67th Avenue from Myrtle Avenue to Cholla Street										
Bike lane addition and associated roadway improvements										
CMAQ										
Preferred Year to Program Work			2024							
COST ESTIMATE FOR CONSTRUCTION										
CONSTRUCTION	Relocate 69 kv (+) Poles		EA	1	25,000	25,000	Yes	23,575	1,425	
	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	10,000	10,000	Yes	9,430	570	
	Other Utilities		LS	1	10,000	10,000	Yes	9,430	570	
	<b>SUBTOTAL - UTILITY RELOCATION COSTS</b>					<b>45,000</b>		<b>42,435</b>	<b>2,565</b>	
	Installation of SWPP Measures		LS	0			Yes			
	Site Preparation		LS	0			No			
	Sawcut		SY	3,040		3,040	Yes	2,867	173	
	Remove Structures and Obstructions		LS	0			No			
	Remove Fencing		LS	0			No			
	Remove Structural Concrete		LF	0			No			
	Remove Asphaltic Concrete Pavement		SY	3,040		6,080	Yes	5,733	347	
	Remove Concrete Sidewalks, Slabs		LS	1	12,000	12,000	Yes	11,316	684	
	Hazard Abatement		SF	0			No			
	Retaining Wall - Reinforced Concrete Cantilevered		LS	0			No			
	Subgrade Preparation		LS	3,040		24,320	Yes	22,934	1,386	
Drainage Excavation		LS	0			No				
Structural Backfill		SY	0			No				
Borrow (In Place)		SY	0			No				
Curb & Gutter		LF	4,158		70,686	Yes	66,657	4,029		
Aggregate Base		SY	1,098		16,470	Yes	15,331	939		
Concrete		SF	9,413		47,065	Yes	44,382	2,683		
Colored Concrete		SF	0			No				
Stamped Color Concrete		SF	0			No				
Precast Concrete Pavers		SF	0			No				
Asphaltic Concrete		SY	1	33	33	Yes	31	2		
Polymer or Resin Stabilized Surface		SF	0			No				
Concrete Pavers		EA	0			No				
Stamped Asphalt		EA	0			No				
Stamped Concrete		EA	0			No				
Concrete		LF	0			No				
Integral Color Concrete		LF	0			No				
Pedestrian ADA Ramp		EA	0			No				
Culvert Extensions		LF	0			No				
Pedestrian Lighting Including Conduit And Trenching		SF	0			No				
Standard		EA	0			No				
Decorative		LF	0			No				
<b>SUBTOTAL HARDSCAPE CONSTRUCTION</b>					<b>179,696</b>		<b>169,453</b>	<b>10,243</b>		
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 (15 Gallon Size)		EA	0			No				
Shrubs (1 Gallon Size)		EA	0			No				
Cactus (5 Gallon Size)		LF	0			No				
Mulch		SY	318		2,544	Yes	2,399	145		
Decomposed Granite		SY	0			No				
Organic		EA	0			No				
Topsoil		EA	0			No				
Seeding		EA	0			No				
Turf Sod		EA	0			No				
Boulders		LF	0			No				
Drip		LF	0			No				
Turf		LF	0			No				
Sleeving For Irrigation System		LF	0			No				
Cut and Patch		LF	0			No				
Landscape Header Curb		LF	0			No				
Landscape Establishment		LF	0			Yes				
<b>SUBTOTAL LANDSCAPING &amp; IRRIGATION ITEMS</b>					<b>2,544</b>		<b>2,399</b>	<b>145</b>		
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%	199,309	Yes	187,948	11,361			
TRAFFIC CONTROL (0-8% of construction cost)		4%	66,436	Yes	62,649	3,787			
CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)		10%	166,091	Yes	156,624	9,467			
CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)		18%	298,963	Yes	281,922	17,041			
<b>SUBTOTAL - MOBILIZATION &amp; ADMINISTRATION COSTS</b>			<b>730,799</b>		<b>689,144</b>	<b>41,655</b>			
<b>TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING</b>			<b>2,391,707</b>		<b>2,255,380</b>	<b>136,327</b>			
Please enter 'Yes' if your agency is certified accepted by ADOT for construction									
ADOT REVIEW FEE	ADOT Review Fee	No							
	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, Onh	60	5	\$	-	No	-	
	Utilities and Railroad Sections \ Issue Clearance	Non CA	50	24	\$	1,200	No	1,200	
						\$	31,020	-	31,020
	<b>TOTAL COST ESTIMATE</b>			<b>\$</b>	<b>2,800,509</b>		<b>2,255,380</b>	<b>545,129</b>	

Glendale : 67th Ave Bike Lanes - Myrtle to Cholla

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 Myrtle Avenue to Cholla Street	Bike lane addition and associated roadway improvements	2023	Local	\$ -	\$ 377,782	\$ 377,782	100.0%
Construction	67th Avenue from Myrtle Avenue to Cholla Street	Bike lane addition and associated roadway improvements	2024	CMAQ	\$ 2,255,380	\$ 136,327	\$ 2,391,707	5.7%
<b>Total Programmed</b>					\$ 2,255,380	\$ 514,109	\$ 2,769,489	18.6%
ADOT Design Review Fee					\$ -	\$ 31,020	\$ 31,020	100.0%
<b>Total Cost</b>					\$ 2,255,380	\$ 545,129	\$ 2,800,509	19.5%

**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?	
<b>PROCUREMENT</b> (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)	
<b>DESIGN</b> (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
<b>PART E - Budget and Signature Page</b>		Complete?
Name, title and date fields under the signature are completed.		No
<b>PART F - Signature and Checklist</b>		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](mailto: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
<b>SUBTOTAL</b>			<b>100</b>	<b>\$ 9,200</b>
<b>STAFF GRAND TOTAL</b>				<b>\$ 10,000</b>

**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
<b>SUBTOTAL</b>			<b>368</b>	<b>\$ 31,020</b>
<b>STAFF GRAND TOTAL</b>				<b>\$ 31,000</b>

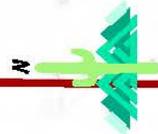
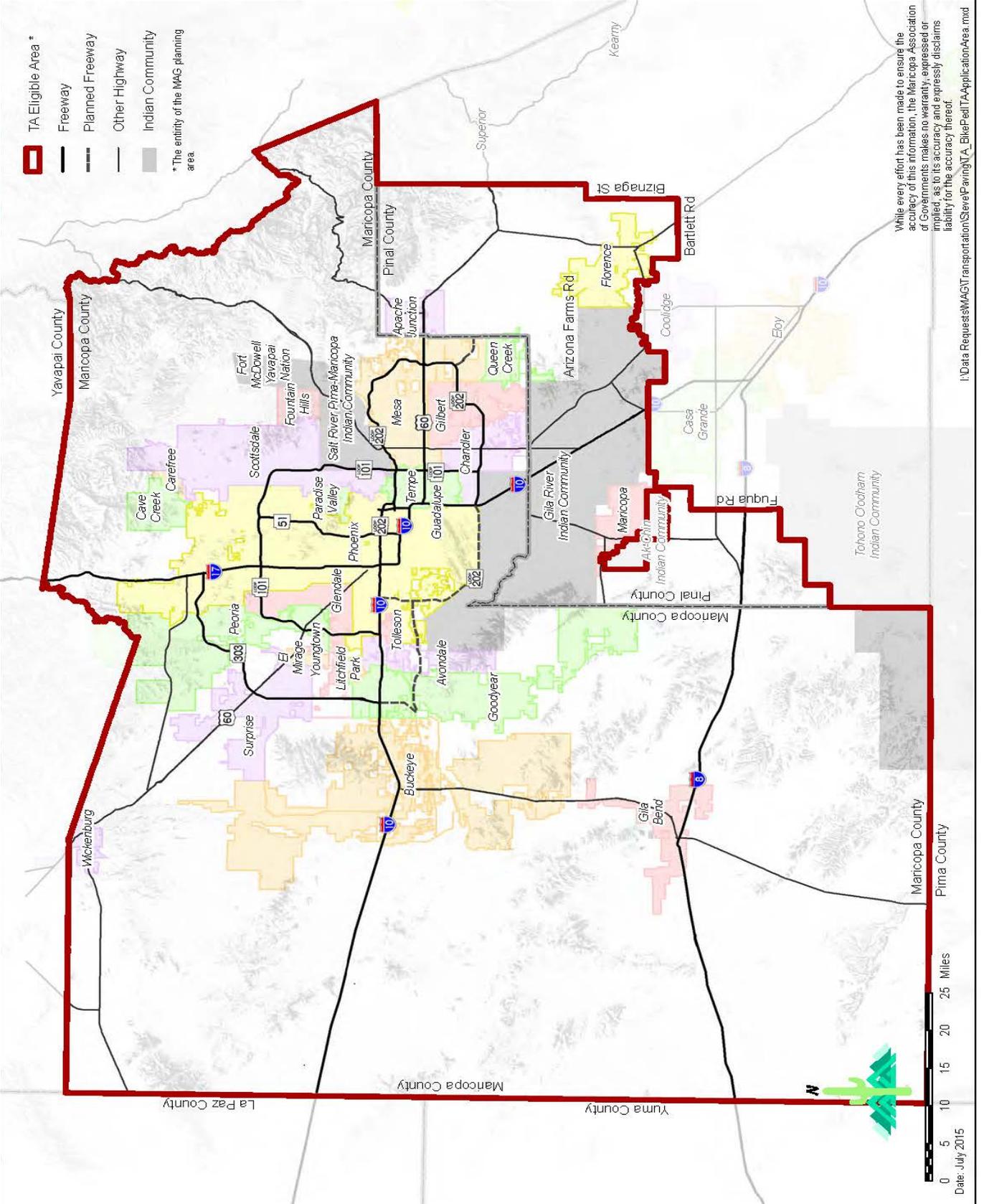
Notes:

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



# TA Bicycle/Pedestrian Application Area

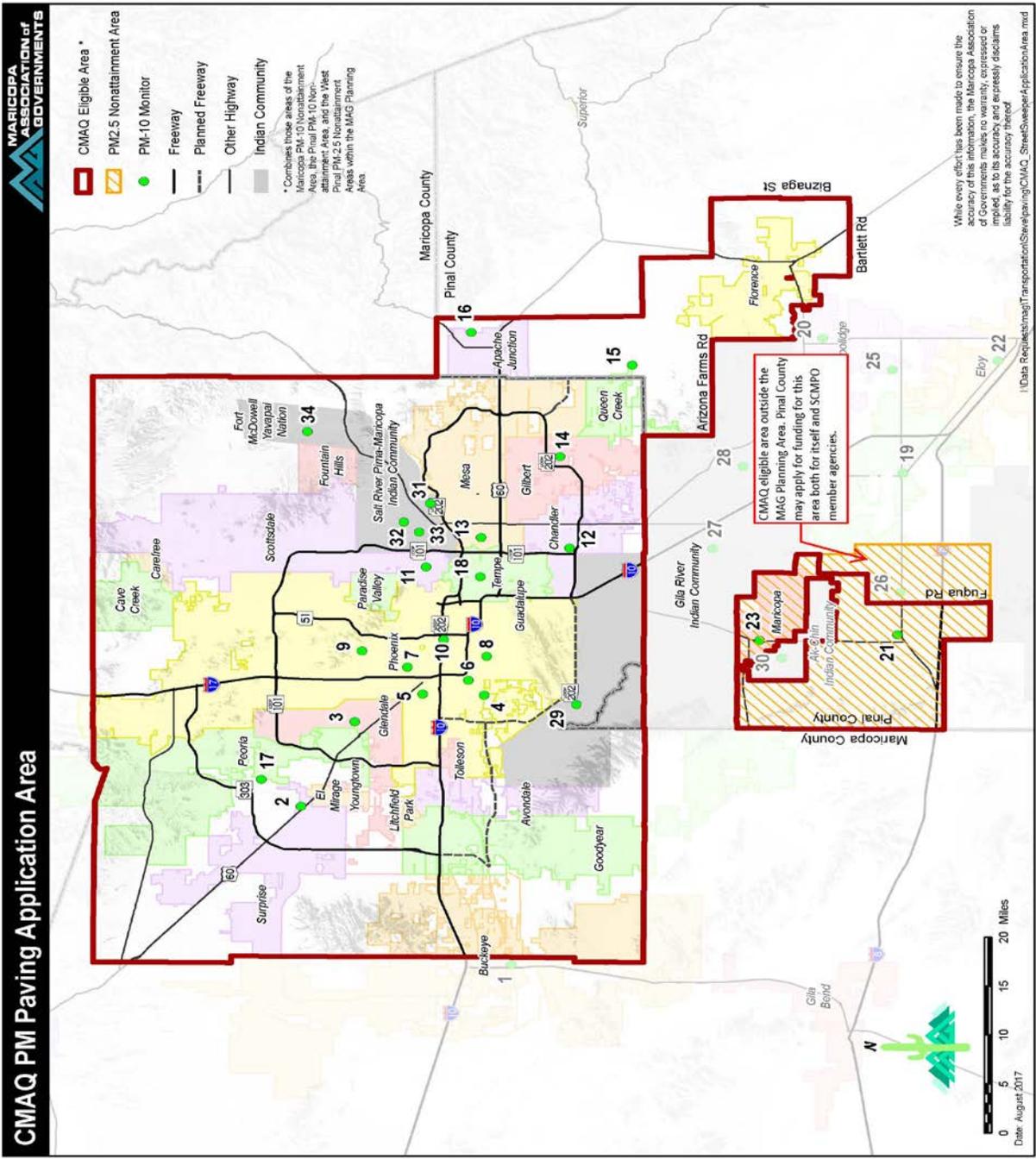
- TA Eligible Area \*
  - Freeway
  - Planned Freeway
  - Other Highway
  - Indian Community
- \* The entirety of the IMAS planning area



0 5 10 15 20 25 Miles  
Date: July 2015

While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

I:\Data Requests\MAG\Transportation\StevePaving\TA\_BikePed\TA-Application-Area.mxd



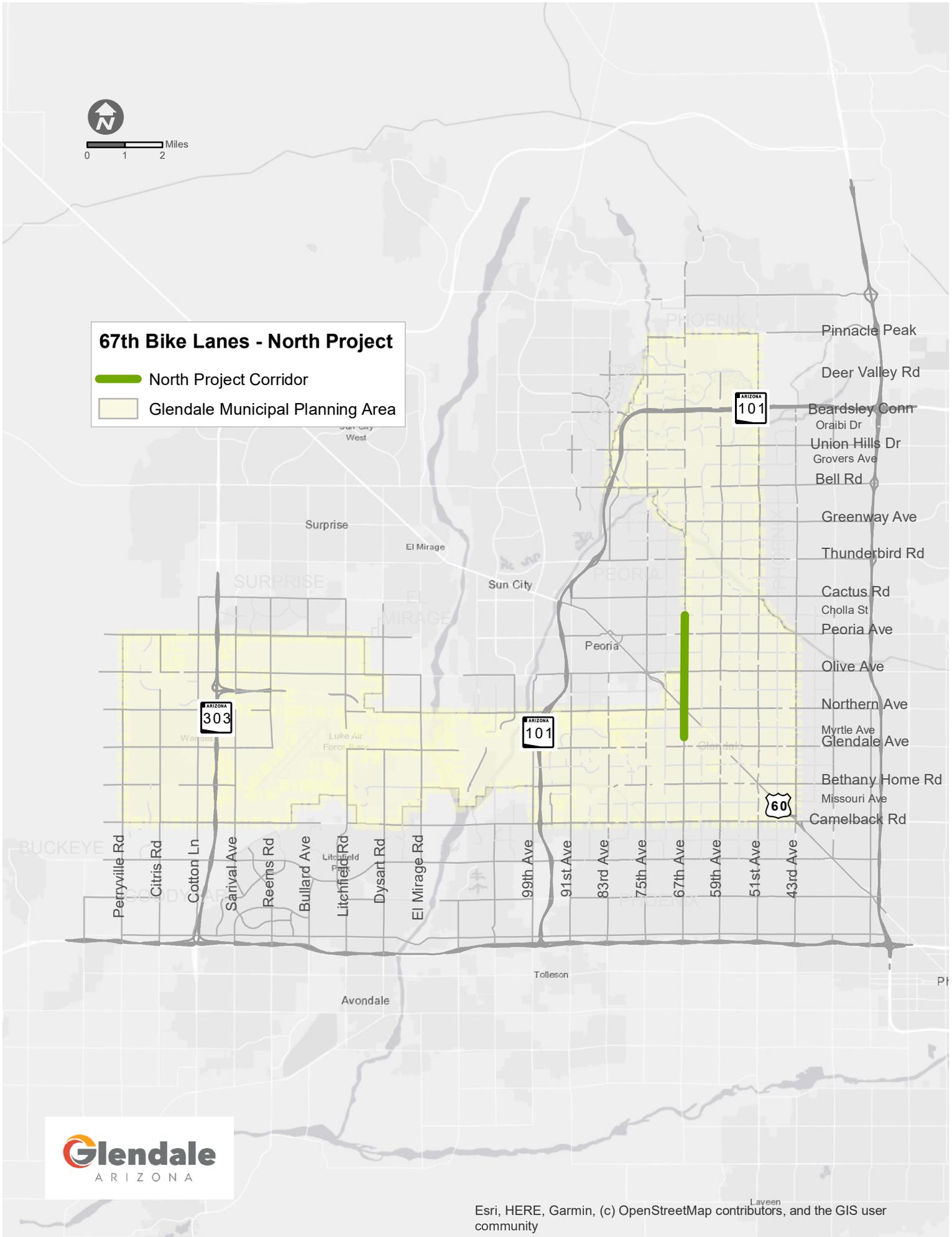
Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 W. 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 N. Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 W. Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd 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 - North Project

-  North Project Corridor
-  Glendale Municipal Planning Area

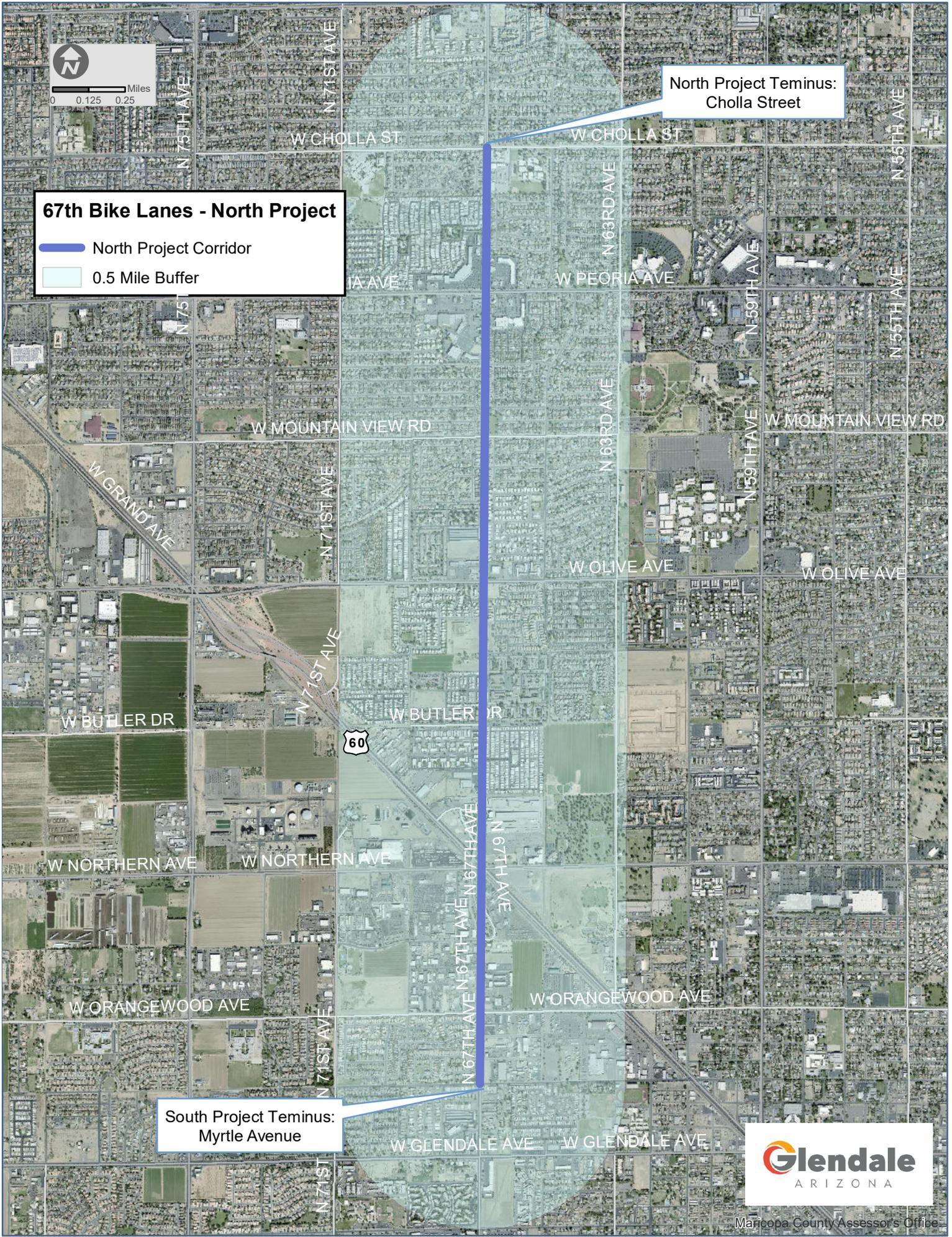




North Project Teminus:  
Cholla Street

### 67th Bike Lanes - North Project

- North Project Corridor
- 0.5 Mile Buffer



South Project Teminus:  
Myrtle Avenue





**Photo 1** – 67<sup>th</sup> Ave just north of Orangewood Ave, looking north. Note the space available to define a bike lane between the car and the gutter



**Photo 2** – 67<sup>th</sup> Ave connector to Grand Avenue, looking northeast across Grand Ave. The project will evaluate enhancing the existing pedestrian crossing at Grand Ave to also accommodate bicyclists.



**Photo 3** – 67<sup>th</sup> Ave just north of Peoria Ave, looking north. The existing striped shoulder is not wide enough to designate as a bike lane.



**Photo 4** – Looking east along Cholla Street (north project terminus) where the new bike lanes on 67<sup>th</sup> Ave will connect with these existing bike facilities.

The 67<sup>th</sup> 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 - Myrtle to Cholla

**PART E - Budget and Signature Page**

Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
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ADOT Design Review Fee					\$ -	\$ 31,020	\$ 31,020	100.0%
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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