

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

Sidewalk Gap Closure - Central Core

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: Sidewalk Gap Closure - Central Core

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.	Sidewalk Gap Closure - Central Core
7. Please provide a concise, specific description of the project (250 character limit):	This project will construct missing sidewalk segments to close gaps in the pedestrian network of Glendale's Central Core Area (as defined in the 2019 Glendale Active Transportation Plan). The project consists of a bundle of 15 non-contiguous linear sidewalk segments on 11 streets, located within a 1.4 square mile area.
8. Please provide the project limits:	All of the proposed gap sidewalk closures are located within a 1.4 square mile area bounded by Paltaire Avenue on the north, 46th Avenue on the east, Bethany Home Road on the south, and Grand Avenue on the west.

Glendale : Sidewalk Gap Closure - Central Core

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 type="checkbox"/> Bicycle Lane (4' min. w/o curb/gutter) | <input type="checkbox"/> Shoulder paving is within 4-miles of a PM-10 Monitor |
| <input type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <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 checked="" 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"/> |
| <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.

Glendale's recently completed Active Transportation Plan (ATP) inventoried existing sidewalks and identified gaps in the sidewalk network. Sidewalk connection gaps in the existing network limit a person's ability to walk to their destination. The Central Core area of Glendale, characterized by the earlier development areas in and around downtown Glendale, contains many sidewalk gaps with high project priority rankings from the ATP. This project will address 20 of those sidewalk gaps, ranging between 65 feet up to 0.25 miles, to improve pedestrian access and mobility throughout the area.

Glendale : Sidewalk Gap Closure - Central Core

PART B-DETAILED PROJECT DESCRIPTION

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

The project will close gaps in the existing sidewalk network, typically by constructing new curb and gutter and sidewalks.

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

The objective is to improve mobility for Glendale's residents by providing a connected pedestrian network that serves people for transportation and recreation purposes. A connected and comfortable network of sidewalks is necessary to achieve this goal. Strategically filling pedestrian facility connection gaps can link people to jobs, shopping, and recreational opportunities, and provide choices for convenient travel by foot or with the use of assistive mobility devices.

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

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

- Yes
- No

Please Explain:

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

Sidewalks provide a safe place for people to walk for commuting or recreational purposes; they are especially important for providing independence to the mobility impaired or persons without access to a vehicle. Gaps in continuity of sidewalks force users to instead walk in the street (mixed with automobile traffic, or in the unimproved, uneven, and often difficult to access area adjacent to the street).

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

This gap closure project will improve the continuity of facilities used by persons with disabilities. The design of the new sidewalk sections and necessary curb ramps will conform to ADA standards.

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

This project will remove pedestrian barriers to and from nearby neighborhoods by improving the overall continuity of the sidewalks between the local streets and the collectors and arterials that link to other neighborhoods. The gap closures will expand continuous sidewalk connections to transit service on Glendale, 55th and 51st avenues, improving access to the neighborhood and mobility options for travel outside the area.

Glendale : Sidewalk Gap Closure - Central Core

PART B-DETAILED PROJECT DESCRIPTION

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

Enhancing the ability of residents to walk through their neighborhood more comfortably and efficiently will strengthen their identification with the neighborhood.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

The purpose of the project is to close multiple gaps in the existing sidewalk network.

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 1/4 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 1/4 mile

List routes and frequency:

(Route # followed by peak frequency) : Glendale Urban Shuttle (GUS) 1 - 30 min; GUS2 - 45 min; #51 - 30 min; #60 - 30 min; #70 - 15 min.

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

Within 1/4 mile

List:

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

Within 1/4 mile

List:

7 public parks; Velma Teague Branch Library; Glendale Community Center; Glendale Civic Center; Glendale City Court Complex.

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 1/4 mile

List:

Downtown Glendale is located on the east side of the project area; Glendale Ave through the project area is a urban commercial corridor.

Glendale : Sidewalk Gap Closure - Central Core

PART B-DETAILED PROJECT DESCRIPTION

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

4 Within 1/4 mile

List:

Melvin E Sine Elementary School (ES); Isaac E Imes ES; Glenn F Burton ES; Carol G Peck ES.

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

0 Within 1/4 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):

17 Within 1/4 miles

List:

55th Ave US Post Office; 10 religious institutions; 3 banks; Velma Teague Branch Library; Glendale City Court Complex; Glendale Ave is a 1.8 mile urban commercial district in the project area.

11 1/4 miles to 1/2 miles

List:

Glendale City Hall; 10 religious institutions.

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

4011 People Per Square Mile

29.1 % 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:

Various/multiple - 15 non-contiguous segments on 11 streets.

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:

Local Street

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

Glendale : Sidewalk Gap Closure - Central Core

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

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 : Sidewalk Gap Closure - Central Core

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 Other:
 Pipelines, Sewer and Water

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

Review of City infrastructure GIS data shows water lines, sanitary sewer infrastructure, and storm water drains and catch basins are located in the street right of way on all segments in the project bundle. Considering this is an older urban area, 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 Other:
 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

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:
The projects are identified in the 2019 Glendale Active Transportation Plan
 Consistent with general policy/practices, but not formally identified (provide source)
Explain:
 Not addressed by jurisdiction's plans, policies, or practices
Explain:

Glendale : Sidewalk Gap Closure - Central Core

PART B-DETAILED PROJECT DESCRIPTION

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

Closing the gaps in the sidewalk network will indicate the success of the project.

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 : Sidewalk Gap Closure - Central Core

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

REQUESTED PROGRAMMING	Location Description		Various Locations								
	Work Description		Sidewalk Gap Closure								
	Funding Source		CMAQ								
	Preferred Year to Program Work		2024								
COST ESTIMATE FOR PROCUREMENT		UNITS	Q	U	UNIT	TOTAL	USES	FEDERAL	LOCAL		
			U	A	COST		FEDERAL AID				
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	Location Description	Various Locations									
	Work Description	Sidewalk Gap Closure									
	Funding Source	Local									
	Preferred Year to Program Work	2022									
	COST ESTIMATE FOR DESIGN	UNITS	Q	U	UNIT	TOTAL	USES	FEDERAL	LOCAL		
			U	A	COST		FEDERAL AID				
	PRELIMINARY ENGINEERING (15% plans) (Required for Budget)	Topographic Survey	LS	1		18,000	18,000	No	-	18,000	
		Design Concept Report (DCR)	LS	1		9,800	9,800	No	-	9,800	
		Federal Project Environmental Determination	LS	1		18,800	18,800	No	-	18,800	
		HAZMAT Assessment	LS	1		15,800	15,800	No	-	15,800	
		SUBTOTAL - PRELIMINARY ENGINEERING COSTS									
FINAL DESIGN (30, 60, 95, 100% plans) (Required for Budget)	Plans, Specifications, Cost Estimates, Bidding	LS	1		180,000	180,000	No	-	180,000		
	Geotechnical Report	LS	1				No	-			
	Drainage Report	LS	1				No	-			
SWPPP	LS	1		7,800	7,800	Yes	7,355	445			
SUBTOTAL - FINAL DESIGN COSTS											
TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING											
							187,800	7,355	180,445		
							250,200	7,355	242,845		
RIGHT OF WAY	Location Description	Various Locations									
	Work Description	Sidewalk Gap Closure									
	Funding Source	Local									
	Preferred Year to Program Work	2023									
	COST ESTIMATE FOR RIGHT OF WAY	UNITS	Q	U	UNIT	TOTAL	USES	FEDERAL	LOCAL		
			U	A	COST		FEDERAL AID				
	RIGHT OF WAY COST (Required for Budget, May be 0 if no ROW)	Appraisals and Title Reports	LS	1		2,800	2,800	No	-	2,800	
		Road Right of Way	SF	2240		30	67,200	No	-	67,200	
		Temporary Construction Easements	EA	35		300	10,500	No	-	10,500	
		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	1		8,000	8,000	No	-	8,000		
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											
							88,500	-	88,500		
CONSTRUCTION	Location Description	Various Locations									
	Work Description	Sidewalk Gap Closure									
	Funding Source	Local									
	Preferred Year to Program Work	2023									
	COST ESTIMATE FOR CONSTRUCTION	UNITS	Q	U	UNIT	TOTAL	USES	FEDERAL	LOCAL		
			U	A	COST		FEDERAL AID				
	UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities)	Relocate 69 kv (+) Poles	EA	0				Yes			
		Relocate/Underground 12 in 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		117,800	117,800	Yes	111,085	6,715		
Other Utilities		LS	0				No				
SUBTOTAL - UTILITY RELOCATION COSTS											
							117,800	111,085	6,715		
1. Hardscape Construction		Installation Of SWPP Measures	LS	0				Yes			
	Site Preparation	LS	0				No				
	Demolition	Sawcut	LS	0				No			
		Remove Structures and Obstructions	LS	1		152,000	152,000	Yes	143,336	8,664	
		Remove Fencing	LS	1		30,000	30,000	Yes	28,290	1,710	
		Remove Structural Concrete	LF	0				No			
		Remove Asphaltic Concrete Pavement	SY	0				No			
	Hazard Abatement	Remove Concrete Sidewalks, Slabs	SF	0				No			
		Retaining Wall - Reinforced Concrete Cantilevered	SF	1				No			
		Subgrade Preparation	SY	12,964		18	233,352	Yes	220,051	13,301	
	Earthwork	Drainage Excavation	LS	0				No			
		Structural Excavation	SY	0				No			
		Structural Backfill	SY	0				No			
	Curb & Gutter	Borrow (In Place)	SY	0				No			
		Curb & Gutter	SF	2,888		18	51,984	Yes	49,021	2,963	
		Aggregate Base	Concrete	SY	1,000		15	15,000	Yes	14,145	855
			Colored Concrete	SF	68,000		10	680,000	Yes	641,240	38,760
		Pathway Or Sidewalk Materials	Stamped Color Concrete	SF	0				No		
			Precast Concrete Pavers	SF	0				No		
			Asphaltic Concrete	SY	1,000		98	98,000	Yes	92,414	5,586
			Polymer or Resin Stabilized Surface	SF	0				No		
			Concrete Pavers	EA	0				No		
		Crosswalk Enhancement	Stamped Asphalt	EA	0				No		
			Stamped Concrete	EA	0				No		
	Concrete		LF	0				No			
	Pedestrian ADA Ramp	Integral Color Concrete	LF	0				No			
		LF	EA	31		2,880	89,280	Yes	84,191	5,089	
	Culvert Extensions	LF	EA	0				No			
		LF	SF	0				No			
	Pedestrian Lighting Including Conduit And Trenching	EA	EA	0				No			
		Standard	EA	0				No			
Handrail	Decorative	LF	0				No				
	LF	EA	0				No				
SUBTOTAL HARDSCAPE CONSTRUCTION											
							1,349,616	1,272,688	76,928		
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	4,080		13	51,408	Yes	48,478	2,930	
		Organic	EA	0				No			
	Topsoil	EA	0				No				
	Seeding	EA	0				No				
	Turf Soil	EA	0				No				
	Boulders	LF	EA	0				No			
		LF	EA	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											
							51,408	48,478	2,930		
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	22		280	6,160	Yes	5,809	35			

MOBILIZATION AND ADMINISTRATION COSTS	CONTRACTOR MOBILIZATION (Typically 8% of construction cost)	12%	182,998	Yes	172,567	10,431			
	TRAFFIC CONTROL (0-8% of construction cost)	4%	60,999	Yes	57,522	3,477			
	CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)	10%	152,498	Yes	143,806	8,692			
	CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)	18%	274,497	Yes	258,851	15,646			
TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING			670,993		632,746	38,247			
SUBTOTAL - MOBILIZATION & ADMINISTRATION COSTS			2,195,977		2,070,806	125,171			
ADOT REVIEW FEE	Please enter 'Yes' if your agency is certified accepted by ADOT for construction								
	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, On	60	5	\$	-	No	-	-
	Utilities and Railroad Sections \ Issue Clearance	Non CA	50	24	\$	1,200	No	-	1,200
						\$	31,020		-
TOTAL COST ESTIMATE					\$	2,565,697		2,078,162	487,535

Glendale : Sidewalk Gap Closure - Central Core

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	Various Locations	Sidewalk Gap Closure	2022	Local	\$ 7,355	\$ 242,845	\$ 250,200	97.1%
Right-of-Way	Various Locations	Sidewalk Gap Closure	2023	Local	\$ -	\$ 88,500	\$ 88,500	100.0%
Construction	Various Locations	Sidewalk Gap Closure	2024	0	\$ 2,070,806	\$ 125,171	\$ 2,195,977	5.7%
Total Programmed					\$ 2,078,162	\$ 456,515	\$ 2,534,677	18.0%
ADOT Design Review Fee					\$ -	\$ 31,020	\$ 31,020	100.0%
Total Cost					\$ 2,078,162	\$ 487,535	\$ 2,565,697	19.0%

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).		No
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)
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

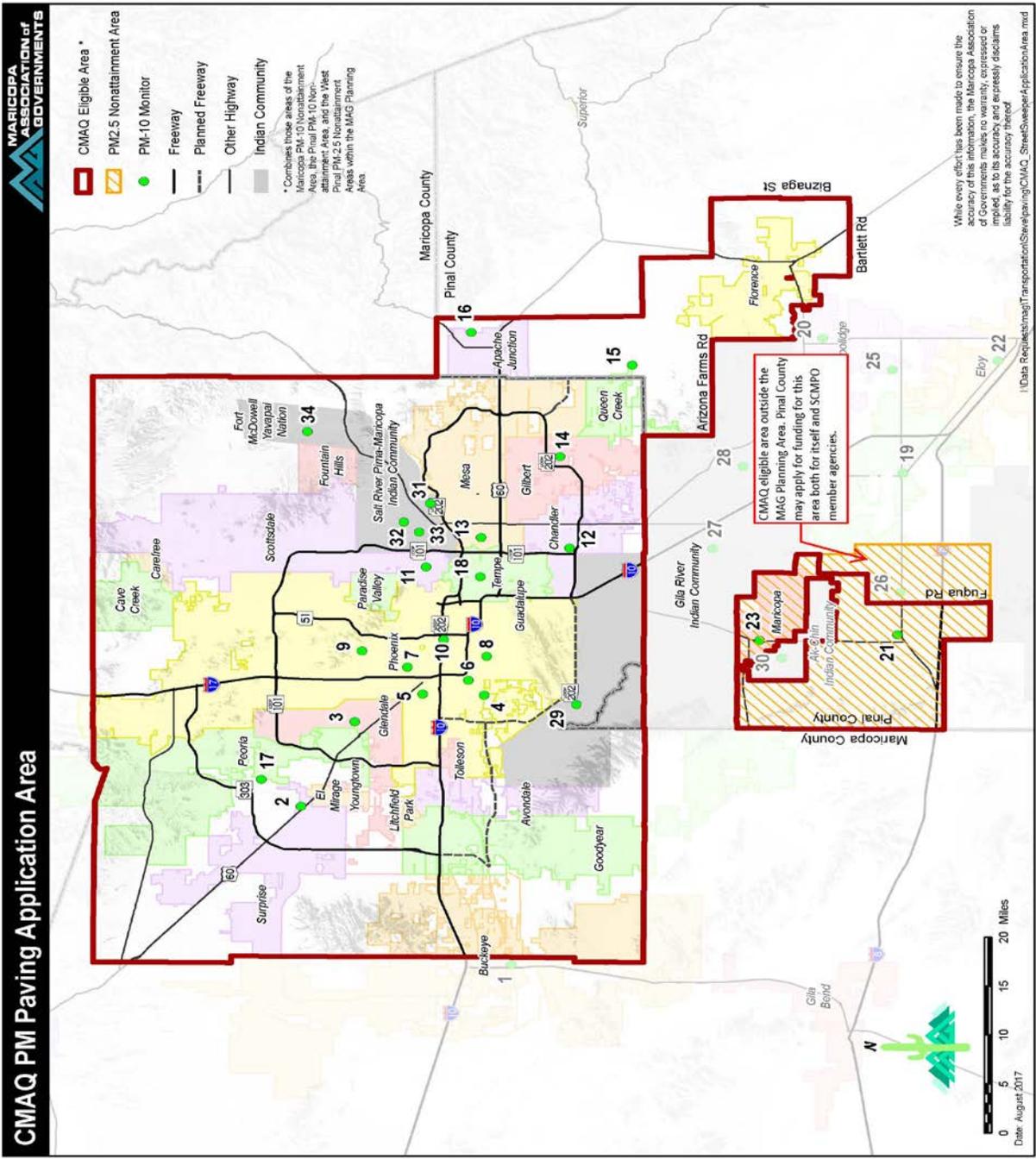
ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Environmental Planning	Issue Clearance	### ####	40	\$ 2,000
Project Management Group	Project Management	#### ###	60	\$ 7,200
SUBTOTAL			100	\$ 9,200
STAFF GRAND TOTAL				\$ 10,000

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



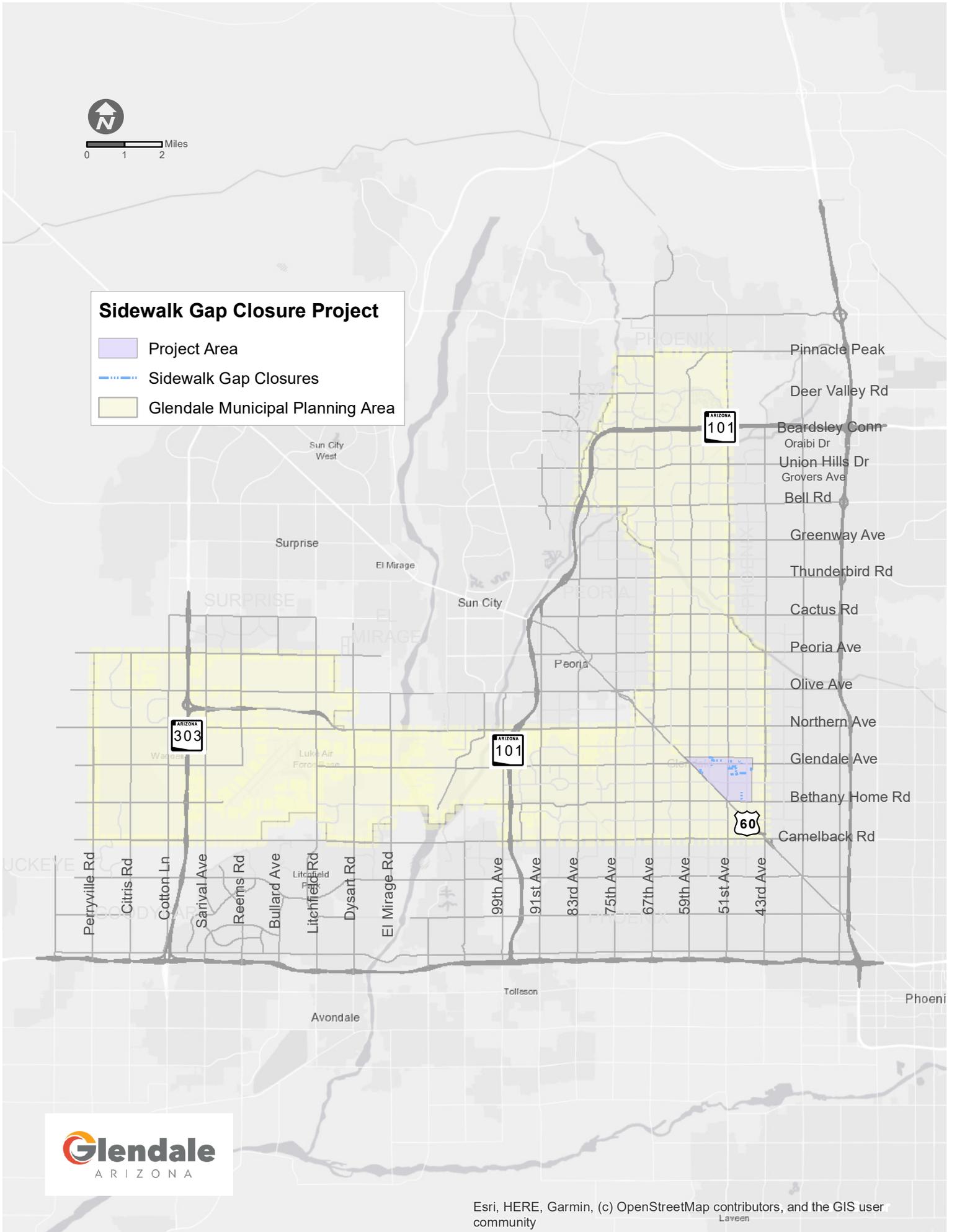
Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 W. 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 N. Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 W. Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd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



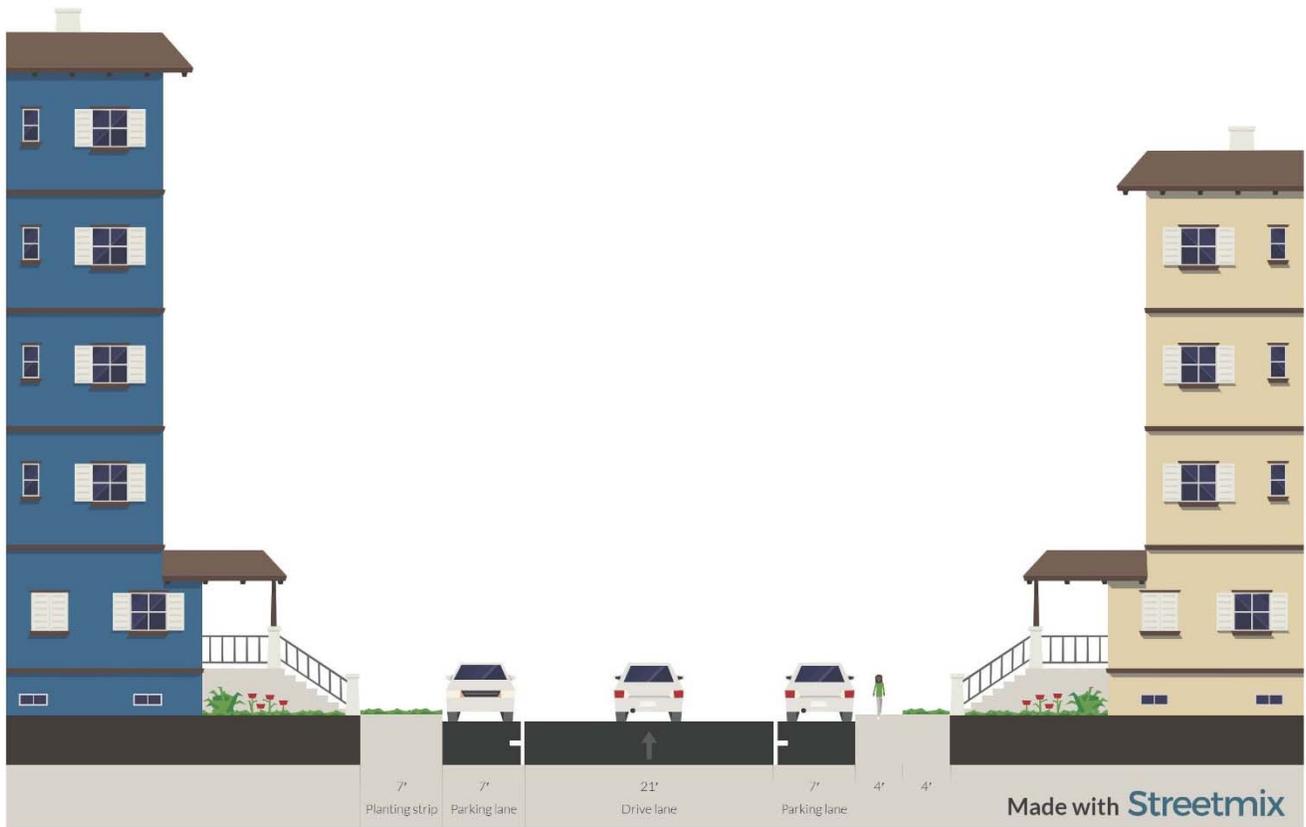
0 1 2 Miles

Sidewalk Gap Closure Project

-  Project Area
-  Sidewalk Gap Closures
-  Glendale Municipal Planning Area



The cross section below shows the cross section of Krall Street that will be addressed by this project. It provides a general example of the existing conditions that the project will improve. However, the project includes 20 different street segments that have varying cross-section characteristics that will often be different from the example below.



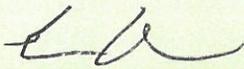
Glendale : Sidewalk Gap Closure - Central Core

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Signature:



Name: Trevor Ebersole

Title: Transportation Department Director

Date: September 16, 2019