

# 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**

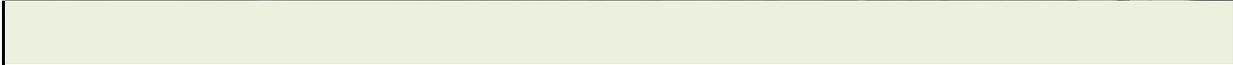
**The due date and time for project applications to be submitted to MAG is  
Monday, September 16, 2019 at 10:00 a.m.**

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**

<b>Contact Name</b>	<b>Phone</b>	<b>E-Mail Address</b>
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



Phoenix Citywide Pedestrian Safety - HAWKs



Phoenix

**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)**

## Phoenix: Phoenix Citywide Pedestrian Safety-HAWKs

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

1. Name of Sponsoring Agency	Phoenix
2. Agency Contact Name	Leticia Vargas
3. Phone Number of Agency Contact	(602) 534-5692
4. E-Mail Address of Agency Contact	<a href="mailto:leticia.vargas@phoenix.gov">leticia.vargas@phoenix.gov</a>
5. Mailing Address of Agency Contact	City of Phoenix, Street Transportation Department Programming and Project Delivery Section 1034 E. Madison Street Phoenix, AZ 85034

**Project Description**

6. Please provide the Project Title.	Phoenix Citywide Pedestrian Safety-HAWKs
7. Please provide a concise, specific description of the project (250 character limit):	Reduce pedestrian injuries and fatalities by installing HAWKs at high-crash and high-activity areas identified by our T2050 Mobility Studies. These safe crossing facilities also will improve walkability and connectivity in these areas of need.
8. Please provide the project limits:	Five locations: 43rd Avenue & Palm Lane, Northern Avenue & Arizona Canal, McDowell Road & 21st Place, Buckeye Road & 5th Avenue, Baseline Road & Western Canal

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

**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 type="checkbox"/> Sidewalk (5' min.)                      | <input style="width: 400px; height: 20px;" 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 style="width: 400px; height: 20px;" type="text"/> |
| <input checked="" type="checkbox"/> Signalized midblock crossing/HAWK |                                                          |
| <input type="checkbox"/> Countdown Pedestrian Signal                  |                                                          |

4. What amenities are included in this project?

- |                                                                       |                                                                              |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------|
| <input type="text" value="0"/> Number of Bike racks/lockers           | <input type="text" value="0"/> Number of Seating/Rest Area(s)                |
| <input type="text" value="0"/> Number of Drinking Fountains           | <input type="text" value="0"/> Number of bicycle/pedestrian counting devices |
| <input type="text" value="0"/> Number of Way-finding Signs            | <input type="text" value="0"/> Number of bicycle/pedestrian counting devices |
| <input type="text" value="0"/> Number of Trash receptacles            | Other:                                                                       |
| <input type="text" value="0"/> Number of Trees                        | <input style="width: 400px; height: 20px;" type="text"/>                     |
| <input type="text" value="0"/> Number of new openings in street walls |                                                                              |
| <input type="text" value="0"/> Number of Shade Structures             |                                                                              |

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

All of the requested High-Intensity Activated crossWalk (HAWK) locations are in areas of high community need, proximate to schools and parks, and are recommended by the city's Transportation 2050 (T2050) Mobility Studies. The study locations were selected based on an exhaustive data analysis focusing on the number of ped/bike crashes, close proximity to schools, high poverty areas, high-ridership bus routes, high bike-on-bus boardings, connections to bus stops, zero-car households, and lack of trees/shade.

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

**PART B-DETAILED PROJECT DESCRIPTION**

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

HAWKS will be installed, along with, if currently lacking or out of compliance, ADA-compliant curb ramps, sidewalk connections, curb and gutter.

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

By creating safe, convenient pedestrian crossing locations the City of Phoenix will improve the pedestrian and bicyclist safety and connections to the destinations that are important to them including schools, parks, shopping, jobs, houses of worship, and other neighborhoods. In doing so, we will save lives, improve walkability, increase opportunities for physical activity, and enhance neighborhoods.

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  
High-Intensity Activated crossWalks (HAWKS)

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

- Yes
- No

Please Explain:  
We will distribute alerts and user instructions through social media and other outlets .

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

Vulnerable road users must have safe and convenient locations and mechanisms for crossing roadways. Walking ALONG a roadway must be safe, but so, too, must CROSSING a roadway. If safe facilities are not provided, a barrier of 'omission' is created - preventing people from living their lives, doing business, and getting physical activity. This project will alleviate many such barriers in two high-need locations.

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

The City of Phoenix will include in each HAWK installation an assessment of accessibility needs. Where deficiencies in ADA facilities are identified - lack of sidewalks, curb ramps - these facilities will be installed.

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

The five requested HAWKS provide safe, proximate access to 6 schools, 4 park/recreation facilities, numerous neighborhoods and shopping plazas, and 1 future light rail line. HAWK beacons provide for a legal break in traffic that allows free flow of pedestrians and bicyclists from one side of the street to the other.

## Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

## PART B-DETAILED PROJECT DESCRIPTION

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

A sense of place is created, in part, by people connecting with other people and other neighborhoods. When we connect people in this way we facilitate opportunities for people to get to know one another.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Project connects to other local bikeways

List of connected bikeways:

Arizona Canal Trail, Skunk Creek Trail, New River Trail, 20th Place Route, Western Canal Trail

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

List of Participating Jurisdictions:

42.5 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.

18 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.

8 Within 1/4 mile

List routes and frequency:

1) Rte. 43, 5 stops, :30; 2) Rte. 90, 4 stops, :30; Rte. 7, 2 stops, :20; 3) Rte. 17, 3 stops, :20; 4) Rte. 13, 3 stops, :30; Rte. 7 3 stops, :30; 5) Rte. 77, 3 stops, :30; Rte. 8, 1 stop, :30.

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

0 Within 1/4 mile

List:

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

6 Within 1/4 mile

List:

Sueno Park, Harmon Park, Harmon Library, Harmon Pool, Senior Living at Matthew Henson, Marcos de Niza Public Housing

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):

3 Within 1/4 mile

List:

Food City, Fry's Mercado, Lee's Food Market, 4 shopping plazas

## Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

## PART B-DETAILED PROJECT DESCRIPTION

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

Within 1/4 mile

List:

Joseph Zito Elementary School, Mitchell Elementary School, Lowell ES

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

Within 1/4 mile

List:

Excelencia School, St. Agnes Parochial School, Vista College Prep-Hadley (see support letter)

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:

Phoenix Mem. Hospital, 7th Ave. Family Health Ctr, Harmon Libr., Phoenix One Stop Career Center, Greater Phoenix Urban League, Baseline/Central - all corners; 43rd Ave./McDowell - all corners

1/4 miles to 1/2 miles

List:

St. Vincent de Paul Catholic, Maryvale Nazarene, Marivue Park and Pool, Frank Borman MS, Beacon Light SDA Church, AZUSA World Ministeries, Orme Park, Maryvale Baseball Park, Fry's Mercado, Lee's

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 right-hand side of the screen, under "Reporting," select "Custom Summary." Next, select "Corridor of Interest." 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 pop-up box will appear with "Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the printer icon at the top-right side of the pop-up window) 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:

HAWKS: 43rd Ave. & Hubble/Palm, Northern Ave. & Arizona Canal Trail, 21st Pl. & McDowell Road, 5th Ave. & Buckeye Road, Western Canal Trail & Baseline Road

Federal Functional Classification of the Facility:

Principal arterial

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

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

**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.

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

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

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

None

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

<input type="checkbox"/> AASHTO Guide for Bicycle Facilities	Other:
<input checked="" type="checkbox"/> MAG Pedestrian Policies and Design Guidelines	<input type="text" value="AASHTO, MUTCD"/>
<input 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 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="Required"/>
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="Yes"/>

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:

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

**PART B-DETAILED PROJECT DESCRIPTION**

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

Regularly review crash reports and school/SRTS-related events

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.

The City of Phoenix will official announce the installation of the HAWK using web site, press release, and social media outlets.

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>

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKS

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

REQUESTED PROGRAMMING	Location Description	Five school locations citywide				TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	Work Description	Procure contractor for installing five HAWKS							
Funding Source		TA-MAG							
Preferred Year to Program Work		2024							
COST ESTIMATE FOR PROCUREMENT		UNITS	QUANTITY	UNIT COST					
PROCUREMENT	Procurement - Design	EA	5	\$5,000.00	25,000	No	-	25,000	
	Procurement - Construction	EA	5	\$8,000.00	40,000	Yes	37,720	2,280	
	Place for entering item #3	EA		\$0.00	-	No	-	-	
	Place for entering item #4	EA		\$0.00	-	No	-	-	
	Place for entering item #5	EA		\$0.00	-	No	-	-	
	Place for entering item #6	EA		\$0.00	-	No	-	-	
	Place for entering item #7	EA		\$0.00	-	No	-	-	
	Place for entering item #8	EA		\$0.00	-	No	-	-	
	Place for entering item #9	EA		\$0.00	-	No	-	-	
	Place for entering item #10	EA	1	\$0.00	-	No	-	-	
	Place for entering item #11	EA		\$0.00	-	No	-	-	
	Place for entering item #12	EA		\$0.00	-	No	-	-	
	Place for entering item #13	EA		\$0.00	-	No	-	-	
	Place for entering item #14	EA		\$0.00	-	No	-	-	
	Place for entering item #15	EA		\$0.00	-	No	-	-	
	Place for entering item #16	EA		\$0.00	-	No	-	-	
	Place for entering item #17	EA		\$0.00	-	No	-	-	
	Place for entering item #18	EA		\$0.00	-	No	-	-	
	Place for entering item #19	EA		\$0.00	-	No	-	-	
	Place for entering item #20	EA	1	\$0.00	-	Yes	-	-	
	<b>TOTAL - PROCUREMENT</b>					<b>\$65,000.00</b>		<b>37,720</b>	<b>27,280</b>
DESIGN	Location Description	Five school locations citywide							
	Work Description	Design for High-Intensity Activated CrossWalks (HAWKS)							
	Funding Source	Local							
	Preferred Year to Program Work	2022							
	COST ESTIMATE FOR DESIGN		UNITS	QUANTITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	PRELIMINARY ENGINEERING (15% plans) (Required for Budget)	Topographic Survey	LS	1	\$0.00	-	No	-	-
		Design Concept Report (DCR)	LS	5	\$11,970.00	59,850	No	-	59,850
		Federal Project Environmental Determination	LS	5	\$4,250.00	21,250	No	-	21,250
		HAZMAT Assessment	LS	5	\$6,090.00	30,450	No	-	30,450
	<b>SUBTOTAL - PRELIMINARY ENGINEERING COSTS</b>					<b>111,550</b>			<b>111,550</b>
	FINAL DESIGN (30, 60, 95, 100% plans) (Required for Budget)	Plans, Specifications, Cost Estimates, Bidding	LS	5	\$2,940.00	14,700	No	-	14,700
Geotechnical Report		LS	1	\$0.00	-	No	-	-	
Drainage Report		LS	1	\$0.00	-	No	-	-	
SWPPP		LS	1	\$0.00	-	No	-	-	
<b>SUBTOTAL - FINAL DESIGN COSTS</b>					<b>14,700</b>			<b>14,700</b>	
<b>TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING</b>					<b>126,250</b>			<b>126,250</b>	
RIGHT OF WAY	Location Description	Five school locations citywide							
	Work Description	No ROW required - only TCEs							
	Funding Source	Local							
	Preferred Year to Program Work	2023							
	COST ESTIMATE FOR RIGHT OF WAY		UNITS	QUANTITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	RIGHT OF WAY COST (Required for Budget, May be 0 if no ROW)	Appraisals and Title Reports	LS	1	-	-	No	-	-
		Road Right of Way	LS	1	-	-	No	-	-
		Temporary Construction Easements	LS	2	60,000	120,000	No	-	120,000
		Drainage Easement	LS	1	-	-	No	-	-
		Utility Easements/Right of Way	LS	1	-	-	No	-	-
		Aerial Electrical Easement	LS	1	-	-	No	-	-
		Sign Relocations	LS	1	-	-	No	-	-
		Relocation Expenses	LS	1	-	-	No	-	-
		Site Environmental Assessments	EA	1	-	-	No	-	-
		Building Demolition	EA	1	-	-	No	-	-
		Other Right of Way Expenses					No	-	-
Other Right of Way Expenses						No	-	-	
Other Right of Way Expenses	EA	1	-	-	No	-	-		
<b>TOTAL - RIGHT OF WAY COSTS</b>					<b>120,000</b>			<b>120,000</b>	
CONSTRUCTION	Location Description	Five school locations citywide							
	Work Description	Install High-Intensity Activated CrossWalks (HAWKS)							
	Funding Source	TA-MAG							
	Preferred Year to Program Work	2024							
COST ESTIMATE FOR CONSTRUCTION		UNITS	QUANTITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL	

UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities)	Relocate 69 kv (+) Poles		EA	1	\$0.00	-	No	-	-	
	Relocate/Underground 12 kv lines		LF		\$0.00	-	No	-	-	
	Relocate/Underground Irrigation Canal		LF		\$0.00	-	No	-	-	
	SWG Relocations		LS	1	\$0.00	-	No	-	-	
	Telephone/Cable TV Relocations		LS	1	\$0.00	-	No	-	-	
	Upgrade Railroad Crossings		LS	1	\$0.00	-	No	-	-	
	Other Utilities		LS	1	\$0.00	-	No	-	-	
	Other Utilities		LS	1	\$0.00	-	No	-	-	
	<b>SUBTOTAL - UTILITY RELOCATION COSTS</b>									
	-									
1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$0.00	-	Yes	-	-	
	Site Preparation		LS	1	\$0.00	-	No	-	-	
	Demolition	Sawcut	LS	1	\$0.00	-	No	-	-	
		Remove Structures and Obstructions	LS	1	\$0.00	-	No	-	-	
		Remove Fencing	LS	1	\$0.00	-	No	-	-	
		Remove Structural Concrete	LF		\$0.00	-	No	-	-	
		Remove Asphaltic Concrete Pavement	SY		\$0.00	-	No	-	-	
		Remove Concrete Sidewalks, Slabs	SF		\$0.00	-	No	-	-	
	Hazmat Abatement		SF		\$0.00	-	No	-	-	
	Retaining Wall - Reinforced Concrete Cantilevered		LS	1	\$0.00	-	No	-	-	
	Earthwork	General Excavation	LS	1	\$0.00	-	No	-	-	
		Drainage Excavation	LS	1	\$0.00	-	No	-	-	
		Structural Excavation	SY		\$0.00	-	No	-	-	
		Structural Backfill	SY		\$0.00	-	No	-	-	
		Borrow (In Place)	SY		\$0.00	-	No	-	-	
	Curb & Gutter		LF		\$0.00	-	No	-	-	
	Aggregate Base		SY		\$0.00	-	No	-	-	
	Pathway Or Sidewalk Materials	Concrete	SF		\$0.00	-	No	-	-	
		Colored Concrete	SF		\$0.00	-	No	-	-	
		Stamped Color Concrete	SF		\$0.00	-	No	-	-	
		Precast Concrete Pavers	SF		\$0.00	-	No	-	-	
		Asphaltic Concrete	SF	1	\$0.00	-	No	-	-	
		Polymer or Resin Stabilized Surface	SF		\$0.00	-	No	-	-	
		Concrete Pavers	EA		\$0.00	-	No	-	-	
	Crosswalk Enhancement	Stamped Asphalt	EA		\$0.00	-	No	-	-	
		Stamped Concrete	EA		\$0.00	-	No	-	-	
		Concrete	LF		\$0.00	-	No	-	-	
	Integral Color Concrete		LF		\$0.00	-	No	-	-	
	Pedestrian ADA Ramp		EA	10	\$5,000.00	50,000	Yes	47,150	2,850	
	Culvert Extensions		LF		\$0.00	-	No	-	-	
	Pedestrian Lighting Including Conduit And Trenching		SF		\$0.00	-	No	-	-	
	Handrail	Standard	EA		\$0.00	-	No	-	-	
		Decorative	LF		\$0.00	-	No	-	-	
	<b>SUBTOTAL HARDSCAPE CONSTRUCTION</b>									
							50,000	47,150	2,850	
	2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements		EA		\$0.00	-	No	-	-
		Trees (15 Gallon Size)		EA		\$0.00	-	No	-	-
		Trees (5 Gallon Size)		LS	1	\$0.00	-	No	-	-
		Shrubs (5 Gallon Size)		EA		\$0.00	-	No	-	-
		Shrubs (1 Gallon Size)		EA		\$0.00	-	No	-	-
Cactus (5 Gallon Size)		LF		\$0.00	-	No	-	-		
Mulch		Decomposed Granite	LS	1	\$0.00	-	No	-	-	
		Organic	EA		\$0.00	-	No	-	-	
Topsoil		EA		\$0.00	-	No	-	-		
Seeding		EA		\$0.00	-	No	-	-		
Turf Sod		EA		\$0.00	-	No	-	-		
Boulders		LF		\$0.00	-	No	-	-		
Irrigation System		Drip	LF		\$0.00	-	No	-	-	
		Turf	LF		\$0.00	-	No	-	-	
Sleeving For Irrigation System		Directional Bore	LF		\$0.00	-	No	-	-	
		Cut and Patch	LF		\$0.00	-	No	-	-	
Landscape Header Curb		LF		\$0.00	-	No	-	-		
Landscape Establishment		LF		\$0.00	-	Yes	-	-		
<b>SUBTOTAL LANDSCAPING &amp; IRRIGATION ITEMS</b>										
						-	-	-		
3. Site Furnishings	Benches		LF		\$0.00	-	No	-	-	
	Seatwalls		EA		\$0.00	-	No	-	-	
	Bike Racks		EA		\$0.00	-	No	-	-	
	Trash Receptacles		EA		\$0.00	-	No	-	-	
	Drinking Fountains		EA		\$0.00	-	No	-	-	
	Signage (Standard Traffic Control)		EA	10	\$550.00	5,500	Yes	5,187	314	
	Signage (Wayfinding)		EA		\$0.00	-	No	-	-	
	Tree Grates		SY		\$0.00	-	Yes	-	-	
	<b>SUBTOTAL SITE FURNISHINGS</b>									
						5,500	5,187	314		
4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects.	Bicycle and Pedestrian Counter		Acre		\$0.00	-	No	-	-	
	Sign Structure		EA	5	\$60,500.00	302,500	Yes	285,258	17,243	
	Conduits & Conductors		LS	5	\$22,000.00	110,000	Yes	103,730	6,270	
	Power Pedestal		EA	5	\$49,500.00	247,500	Yes	233,393	14,108	
	Controller		EA	5	\$44,000.00	220,000	Yes	207,460	12,540	
	PID - Construction		EA	5	\$6,000.00	30,000	Yes	28,290	1,710	
	Project Handoff Administration		LF	5	\$3,000.00	15,000	Yes	14,145	855	
			LS	1			No			
			EA				No			
			EA				No			
<b>SUBTOTAL OTHER CONSTRUCTION ITEMS</b>										
						925,000	872,275	52,725		
<b>TOTAL CONSTRUCTION COST</b>						<b>980,500</b>	<b>924,612</b>	<b>55,889</b>		

	MOBILIZATION AND ADMINISTRATION COSTS	CONTRACTOR MOBILIZATION (Typically 8% of construction cost)			8%	78,440	Yes	73,969	4,471
		TRAFFIC CONTROL (0-8% of construction cost)			8%	78,440	Yes	73,969	4,471
		CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)			5%	49,025	Yes	46,231	2,794
		CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)			20%	196,100	Yes	184,922	11,178
<b>SUBTOTAL – MOBILIZATION &amp; ADMINISTRATION COSTS</b>					<b>402,005</b>		<b>379,091</b>	<b>22,914</b>	
<b>TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING</b>					<b>1,382,505</b>		<b>1,303,702</b>	<b>78,803</b>	
ADOT REVIEW FEE	Please enter 'Yes' if your agency is certified accepted by ADOT for construction			Yes					
	ADOT Review Fee	Agency Type	RATE	HOURS	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL	
	Contracts and Specs \ Advertise Project District \ Review Stage Submittals Environmental Planning \ Issue Clearance Right of Way \ Issue Clearance Compliance Review \ Compliance Review Project Management Group \ Project Management Project Management Group \ Project Management Utilities and Railroad Sections \ Issue Clearance	Non CA	55	100	\$ -	No	-	-	
		Non CA	50	40	\$ -	No	-	-	
		All	50	40	\$ 2,000	No	-	2,000	
		Non CA	55	24	\$ -	No	-	-	
		Non CA	175	40	\$ -	No	-	-	
		Non CA	120	100	\$ -	No	-	-	
		CA Only	120	60	\$ 7,200	No	-	7,200	
		Non CA	50	24	\$ -	No	-	-	
				\$ 9,200		-	9,200		
<b>TOTAL COST ESTIMATE</b>					<b>\$ 1,702,955</b>		<b>1,341,422</b>	<b>361,533</b>	

0.943

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKs

**PART E - Budget and Signature Page**

Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
Procurement	Five school locations citywide	Procure contractor for installing five HAWKs	2024	TA-MAG	\$ 37,720	\$ 27,280	\$ 65,000	42.0%
Design, excludes ADOT review fees	Five school locations citywide	Design for High-Intensity Activated CrossWalks (HAWKs)	2022	Local	\$ -	\$ 126,250	\$ 126,250	100.0%
Right-of-Way	Five school locations citywide	No ROW required - only TCEs	2023	Local	\$ -	\$ 120,000	\$ 120,000	100.0%
Construction	Five school locations citywide	Install High-Intensity Activated CrossWalks (HAWKs)	2024	TA-MAG	\$ 1,303,702	\$ 78,803	\$ 1,382,505	5.7%
<b>Total Programmed</b>					\$ 1,341,422	\$ 352,333	\$ 1,693,755	20.8%
ADOT Design Review Fee					\$ -	\$ 9,200	\$ 9,200	100.0%
<b>Total Cost</b>					\$ 1,341,422	\$ 361,533	\$ 1,702,955	21.2%

**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: Eric J. Froberg, P.E.

Title: City Engineer

Date: 9/13/19

## Phoenix: Phoenix Citywide Pedestrian Safety-HAWKS

**Part F - Checklist**

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

		Complete?
<b>COVER SHEET</b>		<b>Complete?</b>
Cover Sheet is completely filled out		Yes
<b>PART A - Contacts and Project Description Fields</b>		<b>Complete?</b>
Contact Information, fields 1 – 5 are complete		Yes
Project Description, fields 6 - 8 are complete		Yes
<b>PART B - Project Description</b>		<b>Complete?</b>
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
<b>PART C - Required Attachments</b>		<b>Complete?</b>
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.		Yes
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.		Yes
<b>PART D - Cost Estimate Worksheet</b>		<b>Complete?</b>
PROCUREMENT (Not applicable for construction projects)	REQUESTED PROGRAMMING (Rows 4-7)	<b>Complete?</b>
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	PROCUREMENT/STUDY COSTS (Rows 9-29)	Yes
DESIGN (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 30-33)	<b>Complete?</b>
	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	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	RIGHT OF WAY COST (Rows 51-63)	Yes
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)	Yes
<b>PART E - Budget and Signature Page</b>		Complete?
Name, title and date fields under the signature are completed.		Yes
<b>PART F - Signature and Checklist</b>		Complete?
Entire checklist is completed.		Yes

## 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>

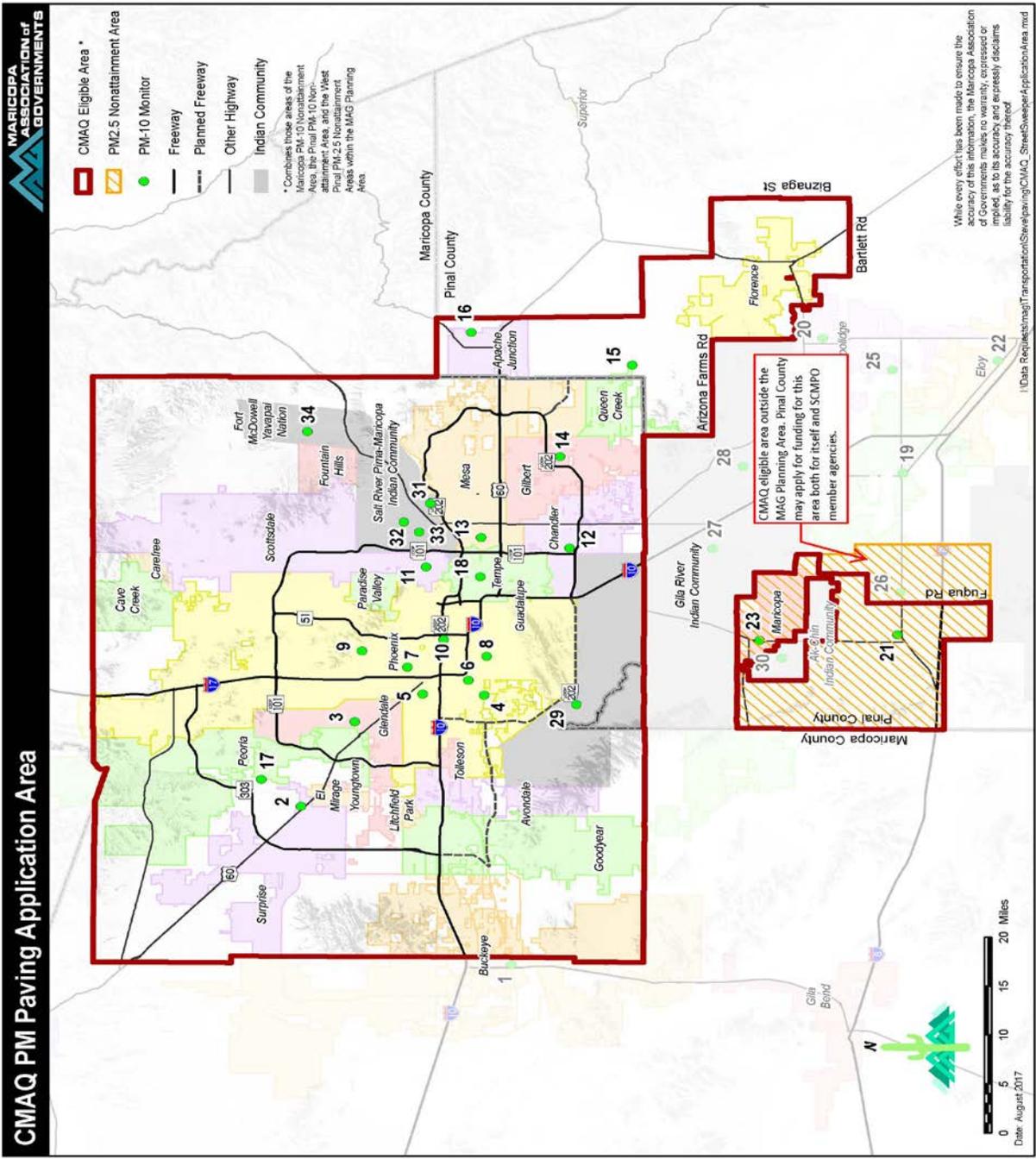
**ADOT Review Fees for Non Certification Accepted Agencies/1**

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





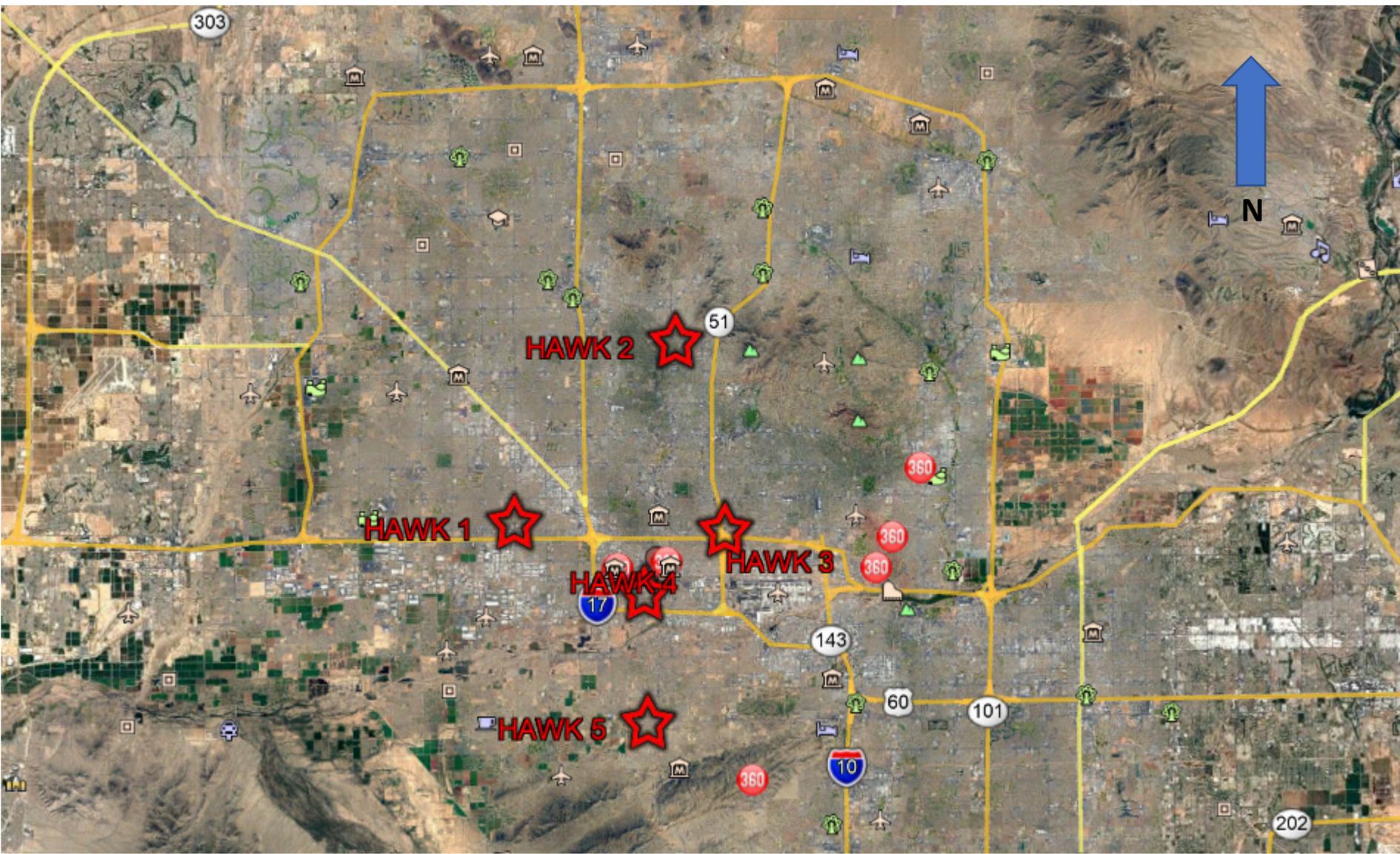
Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 W. 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 N. Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 W. Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd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

## Required Attachment – Regional Map

# Phoenix Citywide Pedestrian Safety - HAWKs

## Part C – Required Attachments

### Region Map

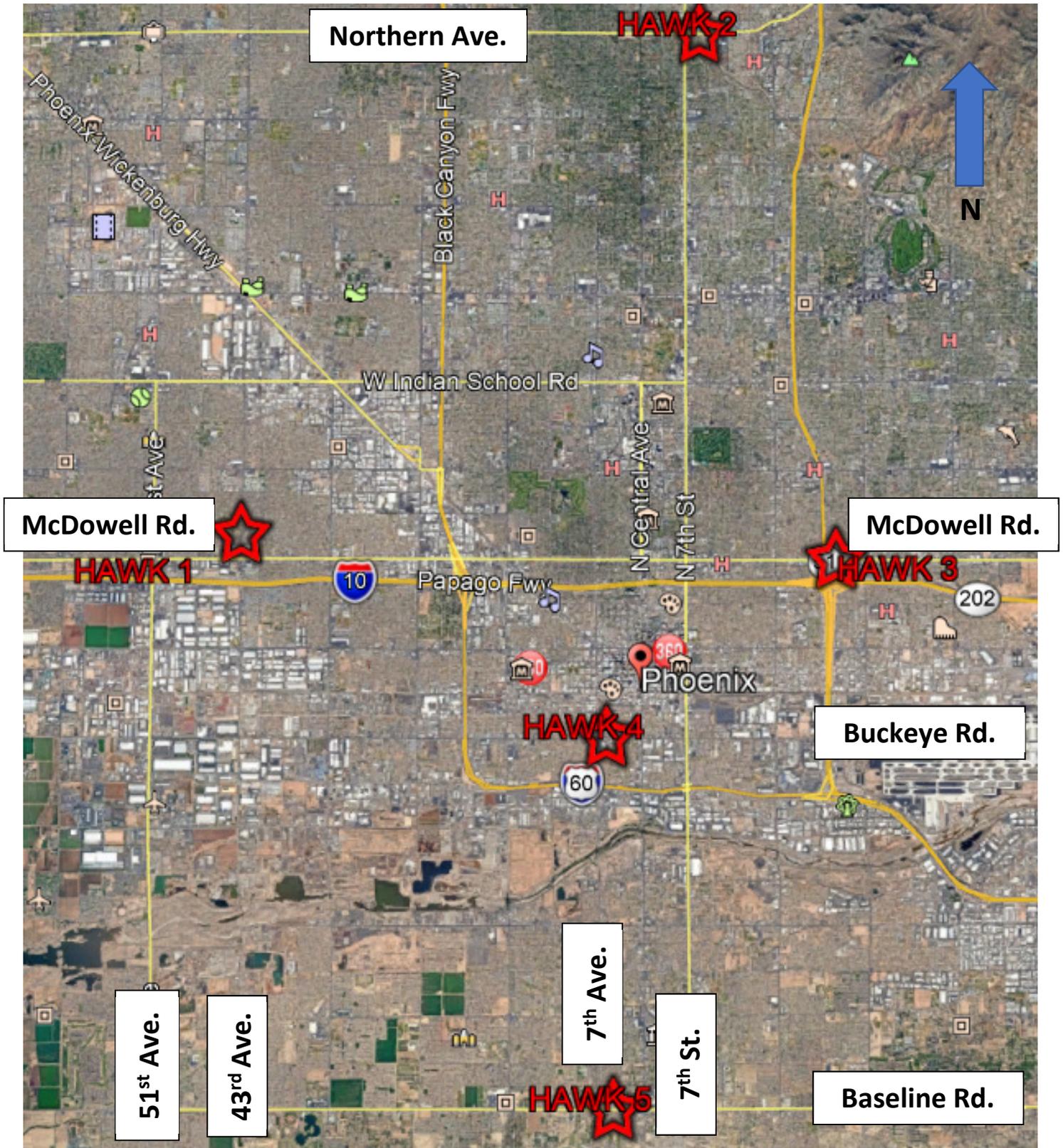


**Required Attachment – Project Location Map**

# Phoenix Citywide Pedestrian Safety - HAWKs

## Part C – Required Attachments

### Project Map



## **Required Attachment – Project Location Photos**

# Phoenix Citywide Pedestrian Safety - HAWKS

## Part C – Required Attachments

### Existing Conditions

HAWK 1 – looking south on 43<sup>rd</sup> Avenue (at Hubbell St./Palm Ln.)



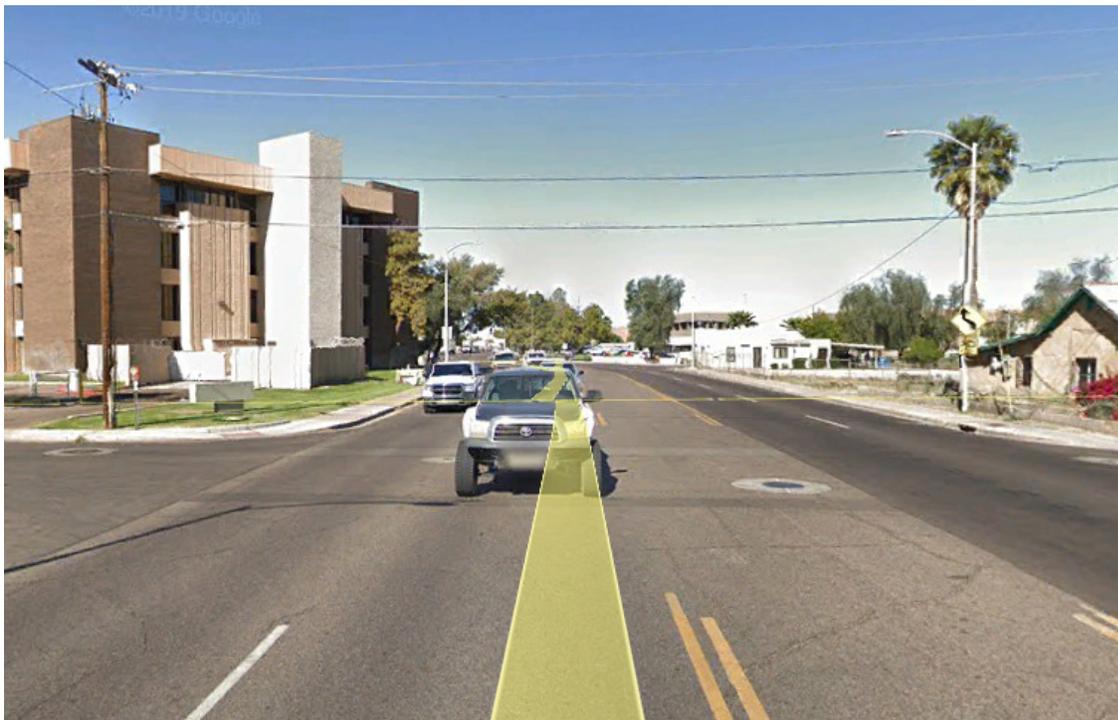
HAWK 2 – looking east on Northern Avenue (at Arizona Canal)



**HAWK 3 – looking west on McDowell Road (at 21<sup>st</sup> place)**



**HAWK 4 – looking west on Buckeye Road (at 5<sup>th</sup> Avenue)**



\*(HAWK 5 location is shown on the front cover of this application)

## Required Attachment – Project Diagrams

## Part C – Required Attachments

### Existing Cross-Sections

#### HAWK 1 – 43<sup>rd</sup> Avenue (at Hubbell Street/Palm Lane)

6.5'	11'	11'	10'	10.5'	10'	11'	6'
S/W	Travel	Travel	TWLTL	Travel	Travel	Travel	S/W

#### HAWK 2 – Northern Avenue (at Arizona Canal Trail)

6'	11'	10'	10'	10'	10'	11'	6'
S/W	Travel	Travel	TWLTL	Travel	Travel	Travel	S/W

#### HAWK 3 – McDowell Road (at 21<sup>st</sup> Place)

6.5'	10.5'	10'	11.5'	10.5'	10'	11'	6'
S/W	Travel	Travel	TWLTL	Travel	Travel	Travel	S/W

#### HAWK 4 – Buckeye Road (at 5<sup>th</sup> Avenue)

6'	12'	12'	12'	11.5'	12'	6'
S/W	Travel	Travel	TWLTL	Travel	Travel	S/W

#### HAWK 5 – Baseline Road (at Western Canal)

6'	13'	11'	12'	11'	13'	6'
S/W	Travel	Travel	TWLTL	Travel	Travel	S/W

## **Optional Attachments – Letters of Support**



**City of Phoenix**  
NEIGHBORHOOD SERVICES DEPARTMENT

September 10, 2019

Jason Stephens  
Maricopa Association of Governments  
302 N. 1<sup>st</sup> Avenue, Suite 300  
Phoenix, AZ 85003

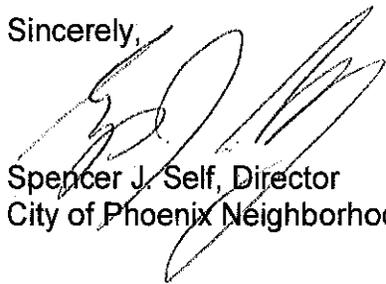
Dear Mr. Stephens,

The City of Phoenix Neighborhood Services Department is pleased to support the City of Phoenix's "Citywide Pedestrian Safety-HAWKs" project. The project will improve pedestrian and bicyclist safety by installing five HAWK beacons throughout Phoenix. HAWKs provide a safe street crossings and are proven to reduce accidents between vehicles, pedestrians and bicycles.

The project will provide a safer walking environment for many residents and students in a variety of Phoenix neighborhoods. This includes safer access to large high-use parks, like Sueño Park, in communities across the City.

We support and encourage safe, walkable neighborhoods for our students and everyone who travels by foot, bicycle, or wheelchair across the City. Please give this project your utmost consideration.

Sincerely,



Spencer J. Self, Director  
City of Phoenix Neighborhood Services Department



VISTA  
COLLEGE  
PREPARATORY

September 10, 2019

Maricopa Association of Governments  
302 N. 1<sup>st</sup> Avenue, Suite 300  
Phoenix, AZ 85003

Dear Mr. Stephens,

Vista College Preparatory – Hadley is pleased to support the City of Phoenix’s “Citywide Pedestrian Safety-HAWKs” project. The project will improve pedestrian and bicyclist safety by installing five HAWK beacons throughout Phoenix. According to the City of Phoenix, HAWKs provide a safe street crossing and are proven to reduce vehicle crashes between pedestrians and bicyclists. The project will provide a safer walking environment for the nearly 400 students and their families of Vista College Preparatory-Hadley and other community members who walk or bicycle to Harmon Park, Harmon Library, and the various health/medical campuses in the area.

We support and encourage safe, walkable neighborhoods for our students and anyone else who travels by foot, bicycle, or wheelchair. Please give this project your utmost consideration.

Thank you,

Kela Powers  
Director of Operations  
Vista College Preparatory, Inc.

Phoenix : Phoenix Citywide Pedestrian Safety-HAWKs

**PART E - Budget and Signature Page**

Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
Procurement	Five school locations citywide	Procure contractor for installing five HAWKs	2024	TA-MAG	\$ 37,720	\$ 27,280	\$ 65,000	42.0%
Design, excludes ADOT review fees	Five school locations citywide	Design for High-Intensity Activated CrossWalks (HAWKs)	2022	Local	\$ -	\$ 126,250	\$ 126,250	100.0%
Right-of-Way	Five school locations citywide	No ROW required - only TCEs	2023	Local	\$ -	\$ 120,000	\$ 120,000	100.0%
Construction	Five school locations citywide	Install High-Intensity Activated CrossWalks (HAWKs)	2024	TA-MAG	\$ 1,303,702	\$ 78,803	\$ 1,382,505	5.7%
<b>Total Programmed</b>					\$ 1,341,422	\$ 352,333	\$ 1,693,755	20.8%
ADOT Design Review Fee					\$ -	\$ 9,200	\$ 9,200	100.0%
<b>Total Cost</b>					\$ 1,341,422	\$ 361,533	\$ 1,702,955	21.2%

**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: Eric J. Froberg, P.E.

Title: City Engineer

Date: 9/13/19