

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



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

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

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

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



**INSTRUCTIONS AND SCHEDULE**

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

**General Instructions**

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

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

This application form includes:

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

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

**Transmittal Instructions**

Send the following to MAG:

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

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

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

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

[EMAIL APPLICATION TO MAG](#)

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

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

[DROP THE APPLICATION IN THE BOX](#)

**Application Workshops and Open Working Group Meeting Schedule\***

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

**INSTRUCTIONS AND SCHEDULE**

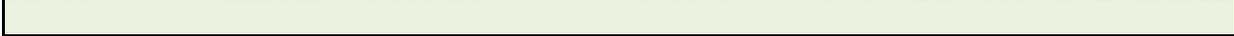
The due date and time for project applications to be submitted to MAG is  
**Monday, September 16, 2019 at 10:00 a.m.**

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

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

**MAG Contact Information**

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Jason Stephens	602-254-6300	<a href="mailto:Jstephens@azmag.gov">Jstephens@azmag.gov</a>
Teri Kennedy	602-254-6300	<a href="mailto:TKennedy@azmag.gov">TKennedy@azmag.gov</a>
Stephen Tate	602-452-5010	<a href="mailto:STate@azmag.gov">STate@azmag.gov</a>



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



**Queen Creek Wash Trail Extension - Phase 1**



**from Crismon Road to Rittenhouse Road and Spur connection from QC Wash Trail to Riggs Road  
along Signal Butte Road alignment**

**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)**

Queen Creek: Queen Creek Wash Trail Extension - Phase 1

<b>PART A - CONTACT AND PROJECT DESCRIPTION</b>	
<b>Contact Information</b>	
1. Name of Sponsoring Agency	Queen Creek
2. Agency Contact Name	Heather Wilkey/Troy White
3. Phone Number of Agency Contact	480-358-3913
4. E-Mail Address of Agency Contact	<a href="mailto:heather.wilkey@queencreek.org">heather.wilkey@queencreek.org</a>
5. Mailing Address of Agency Contact	22358 S. Ellsworth Road, Queen Creek, AZ 85142
<b>Project Description</b>	
6. Please provide the Project Title.	Queen Creek Wash Trail Extension - Phase 1
7. Please provide a concise, specific description of the project (250 character limit):	
<p>The existing Queen Creek Wash trail is five miles within the Town of Queen Creek along the Queen Creek Wash, ending near the Crismon Road alignment. This application would extend the trail east of its current terminus to Rittenhouse Road and connect the Queen Creek Wash to Riggs Road to the south, following the Signal Butte Road alignment. This trail is planned to be regionally contiguous and will extend through Queen Creek into the Town of Gilbert and City of Chandler. The trail will connect several existing neighborhoods to planned residential developments as well as provide access to Frances Brandon Pickett Elementary and American Leadership Academy High and Elementary School.</p> <p>The new segment is an important step towards completing the Town’s 2018 Bicycle and Pedestrian Master Plan created with the assistance of MAG and the Town’s Parks &amp; Recreation Master Plan designated “11-mile Loop” trail, connecting the two wash trail systems (Queen Creek &amp; Sonoqui) in the eastern part of town. Completion of the loop improves the use of the trail system for residents who bike/walk to work, school, parks and to major destinations such as Town Center, San Tan Mountain Regional Park, the Olive Mill and Schnepf Farms, Arizona’s largest agri-tourist farm receiving over 250,000 visitors annually.</p> <p>The trail will include landscaping, wayfinding, bike stands and activity nodes, including a viewing area of the Superstition or San Tan Mountains along with informational kiosks describing the agricultural history of the area.</p>	
8. Please provide the project limits:	
<p>The current trail ends near that Crismon Road alignment, on the north side of the Queen Creek Wash . The new trail will begin at the existing terminus (Crismon Road alignment) and end at Rittenhouse Road. A trail spur starting from the Queen Creek Wash Trail will follow Signal Butte Road and end at Riggs Road.</p>	

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

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 checked="" type="checkbox"/> Shared-use path (10' min.)   | Other:  |
| <input type="checkbox"/> Sidewalk (5' min.)                      | <input type="text"/>  |
| <input type="checkbox"/> Planning Study                          |   |

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

- |  |   |
|--|---|
| <input type="checkbox"/> Bridge (overpass)                 | Other:  |
| <input type="checkbox"/> Tunnel (underpass)                | <input type="text" value="pathway lighting, wayfinding signs, High Visibility crosswalk and RRFB"/> |
| <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"/> 5 Number of Seating/Rest Area(s)              |
| <input type="checkbox"/> 1 Number of Drinking Fountains         | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> 5 Number of Way-finding Signs          | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> 10 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.

The existing Queen Creek Wash trail is five miles long within the Town of Queen Creek and meanders between the south and north banks of the Wash. The trail terminus at Crismon Road is along the north bank of the Wash. Currently, there are several planned developments under construction, south of the Queen Creek Wash, between Ellsworth and Rittenhouse Roads. The Town of Queen Creek is rapidly growing and the town wishes to provide alternative transportation modes to connect the community with educational institutions, Town Center, recreational facilities and agritourism businesses. The trail has two wash crossings that will connect the communities from the south of the Wash to those north of the Wash.

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

PART B-DETAILED PROJECT DESCRIPTION

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

The project will construct a 12-foot wide asphalt concrete multi-use path, starting from the existing terminus near Crismon Road and extend east to Rittenhouse Road. The trail will follow the south bank of the Queen Creek Wash and two wash crossings, one near Frances Brandon Pickett Elementary School and the other just west of Rittenhouse Road. The trail will connect to the existing sidewalk on Rittenhouse Road.

A trail spur will also be constructed starting from the planned trail extension near the Signal Butte Road alignment. This spur will be 12-foot wide asphalt concrete multi-use path, along the east side of Signal Butte Road alignment and will be grade separated from the roadway portion of Signal Butte Road. The spur will have two at grade crossings one at Cloud Road and the second at Riggs Road. From the traffic projections in this area, a rapid flashing beacon signal is proposed for these crossings. Ultimately, the trail system will become more usable, efficient and safer by providing an alternative mode to vehicular traffic and separation from the main roadways.

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

The extension of the Queen Creek Wash trail will provide enhanced regional connectivity, options and destinations for east valley residents desiring to travel via bicycle or on foot by linking two trail systems and extending into our neighboring communities of Gilbert, Chandler and San Tan Valley. It will connect existing neighborhoods, such as the Villages at Queen Creek and Hastings Farms to planned residential developments south of the Queen Creek Wash and Riggs Road as well as provide access to top work destinations, schools, the San Tan Mountain Regional Park and popular tourist destinations such as Schnepf Farms and the Queen Creek Olive Mill. Schnepf Farms and the Queen Creek Olive Mill both attract over 250,000 visitors annually. The Town is looking forward to the opportunity this project offers to provide facilities for the promotion of alternative modes of transportation as included in our 2018 Bicycle & Pedestrian Master Plan.

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:

Yes, way finding signage will be included.

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

Construction of the project will provide RRFB crossings with ADA ramps at trail intersections at Cloud Road and at Riggs Road. Along Signal Butte Rd, the trail will be grade separated from the travel lanes. It will also include pedestrian lighting features along the areas with dense vegetation. Warning signs and gates will prevent entry from the trail to the Wash crossings when there is water in the wash. Park rangers will patrol when closure of the trail is necessary due to water in the wash.

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

PART B-DETAILED PROJECT DESCRIPTION

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

All entry points at the wash crossings will be sloped to be ADA compliant. RRFB crossings with ADA ramps at the trail intersection at Cloud and at Riggs Road will also be included. The selection of asphalt as material will also assist persons with disabilities that may require a mobility device.

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

The project will connect existing neighborhoods, such as the Villages at Queen Creek and Hastings Farms to planned residential developments south of the Queen Creek Wash and Riggs Road as well as provide access to work destinations, schools, the San Tan Mountain Regional Park and popular tourist destinations such as Schnepf Farms and the Queen Creek Olive Mill. Schnepf Farms and the Queen Creek Olive Mill both attract over 250,000 visitors annually.

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

Way finding signage combined with trail lighting will make the system attractive to prospective users. Wayfinding may include decorative features providing directional information to adjacent destinations and neighborhoods while the activity nodes will include a viewing area of the Superstition or San Tan Mountains with informational kiosks describing the agricultural history of the area, giving users a sense of community.

14. Connectivity: (Check all that apply)

Project fills a gap in the system  
Explain:

The project extends the existing trail from its current terminus to Rittenhouse Rd and provides a connection to the south to Riggs Road to create an "11-mile loop" and connect with other East Valley trails in the region.

Project connects to other local bikeways  
List of connected bikeways:

Local sidewalks and bicycle lanes will be connected to the trail system.

Multi Jurisdictional Project (please include letter of support (See Part C)  
List of Participating Jurisdictions:

11 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.

0 Within 1/2 mile

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

0 Within 1/2 mile  
List routes and frequency:

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

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

**PART B-DETAILED PROJECT DESCRIPTION**

0 Within 1/2 mile

List:

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

4 Within 1/2 mile

List:

Frances Brandon Pickett Elementary school, Larry Murphy Memorial Park, Founder's Park Community Center, Queen Creek Skate Park

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):

6 Within 1/2 mile

List:

Schnepf Farms, Skyline Park, restaurants and medical facilities on Ellsworth Road and Queen Creek Town Center

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

PART B-DETAILED PROJECT DESCRIPTION

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

1 Within 1/2 mile

List:

Frances Brandon Pickett Elementary school

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

0 Within 1/2 mile

List:

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

6 Within 1/4 miles

List:

Schnepf Farms, LDS church on Cloud Road, restaurants on Ellsworth Road, medical facilities on Ellsworth Road

1 1/4 miles to 1/2 miles

List:

Queen Creek Town Center

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

8500 People Per Square Mile

15.3 % 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:

Queen Creek Wash Trail - Crismon Rd to Rittenhouse Road and Queen Creek Wash to Riggs Road

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:

Not Classified

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

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

PART B-DETAILED PROJECT DESCRIPTION

Type of Facility the Improvement will be located on:

Project is Off-Street

2.12 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.

18,540 ADT Estimate

Oct-18 Date Counted

Name of road the traffic count was taken from

Ocotillo Road and Rittenhouse Road

Description of Methodology and Source used for the ADT Estimate

Ocotillo Road is the closest parallel arterial to the Queen Creek Wash. Rittenhouse Road is parallel to the spur. In this project, QC Wash Trail consists of 2/3 of the total trail miles while the spur is the remaining 1/3 of the total trail mile. The 2/3 of the ADT on Ocotillo Road and 1/3 of the ADT from Rittenhouse Road was used to estimate the ADT for this location. The ADT for both Ocotillo Road and Rittenhouse Road was obtained from the MAG Transportation Data Management System website.

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.

Based on the preliminary environmental assessment, no cultural, historical, biological, hazardous materials or environmental issues are identified in this area.

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.

In the preferred alignment of the path along Queen Creek Wash and the Spur, the agency has to acquire easement for the Trail from six land owners. The Agency has already begun discussions with the land owners and have reached agreement for easements from three of them.

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

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

[Empty text box for other utilities]

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

No utility conflicts are anticipated for this trail project.

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

AASHTO Guide for Bicycle Facilities

MAG Pedestrian Policies and Design Guidelines

MAG Complete Streets Guide

MAG Designing Transit Accessible Communities

MAG Valley Path Brand & Wayfinding Signage Guidelines

NACTO Urban Bikeway Design Guide

RPTA Bus Stop Program and Standards

Other:

[Empty text box for other guidelines]

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:

Town of Queen Creek Multimodal Transportation Master Plan, Dec 2016; Parks and Recreation Master Plan, May 2018; Infrastructure Improvement Plan & CIP (2019-2020)

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

Explain:

[Empty text box for explanation]

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

Explain:

[Empty text box for explanation]

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

**PART B-DETAILED PROJECT DESCRIPTION**

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

The success of this project will be measured through several means including resident surveys regarding trail usage and observations and reports from Park Rangers and Parks & Recreation staff members. Additionally, Town staff is working with vendors on the installation of people counters along multiple points in the system.

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?

Yes, bicycle/pedestrian count technology will be incorporated. The current system being looked at requires manual data collection. Park Rangers, who patrol the trails every day, would be responsible for downloading and reporting the data.

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 Town would host a groundbreaking/ribbon cutting ceremony, work through media outlets for earned coverage, include in our monthly newsletter and water bills, share with the Town's partners and deploy a comprehensive social media strategy broaching promotion on Facebook, Twitter, Instagram and Next Door.

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

The trail would include landscaping, wayfinding, bike stands and activity nodes. The wayfinding may include decorative features providing directional information to the adjacent destinations and neighborhoods. The activity nodes may include a viewing area of the Superstition or San Tan Mountains along with providing informational kiosks relating to the agricultural history of the area.

<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>

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

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

Table with columns for Requested Programming, Location Description, Work Description, Funding Source, Preferred Year to Program Work, and Cost Estimate for Procurement/Design/Right of Way/Construction. Includes sub-totals for Procurement, Design, Right of Way, and Construction.

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3. Site Furnishings	Trash Receptacles	EA	10	750	7,500	Yes	7,073	428
	Drinking Fountains	EA	1	3,000	3,000	Yes	2,825	173
	Signage (Standard Traffic Control)	LS	1	7,500	7,500	Yes	7,073	428
	Signage (Wayfinding)	LS	1	7,500	7,500	Yes	7,073	428
	Tree Grates	LS				Yes		
				SUBTOTAL SITE FURNISHINGS			33,000	
4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects.		Acres				No		
						No		
						No		
						No		
						No		
						No		
						No		
						No		
						No		
						No		
				SUBTOTAL OTHER CONSTRUCTION ITEMS				
<b>TOTAL CONSTRUCTION COST</b>					610,175		575,395	34,780

MOBILIZATION AND ADMINISTRATION COSTS		CONTRACTOR MOBILIZATION (Typically 8% of construction cost)	8%	48,814	Yes	46,032	2,782	
		TRAFFIC CONTROL (0-8% of construction cost)	0.5%	3,051	Yes	2,877	174	
		CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)	10%	61,018	Yes	57,540	3,478	
		CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)	15%	91,526	Yes	86,309	5,217	
<b>SUBTOTAL - MOBILIZATION &amp; ADMINISTRATION COSTS</b>				<b>204,409</b>		<b>192,757</b>	<b>11,651</b>	
<b>TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING</b>				<b>814,584</b>		<b>768,152</b>	<b>46,431</b>	
<b>ADOT REVIEW FEE</b>	Please enter 'Yes' if your agency is certified accepted by ADOT for construction		No					
	ADOT Review Fee		Agency	RA	HOUR	TOTAL	USES FEDERAL AID	FEDERAL LOCAL
	Contracts and Specs \ Advertise Project		Non CA	55	100	\$ 5,500	No	5,500
	District \ Review Stage Submittals		Non CA	50	40	\$ 2,000	No	2,000
	Environmental Planning \ Issue Clearance		All	50	40	\$ 2,000	No	2,000
	Right of Way \ Issue Clearance		Non CA	55	24	\$ 1,320	No	1,320
	Compliance Review \ Compliance Review		Non CA	40	5	\$ 7,000	No	7,000
	Project Management Group \ Project Management		Non CA	100	5	\$ 12,000	No	12,000
	Project Management Group \ Project Management		CA, Onh	60	5	\$ -	No	-
	Utilities and Railroad Sections \ Issue Clearance		Non CA	50	24	\$ 1,200	No	1,200
						\$ 31,020		31,020
	<b>TOTAL COST ESTIMATE</b>				<b>\$ 1,535,224</b>		<b>768,152</b>	<b>767,071</b>

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

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	Town of Queen Creek	Queen Creek Wash Trail Extension - Crismon to Rittenhouse Rd, Wash to Riggs Rd	2021	Local	\$ -	\$ 259,000	\$ 259,000	100.0%
Right-of-Way	Town of Queen Creek	Queen Creek Wash Trail Extension - Crismon to Rittenhouse Rd, Wash to Riggs Rd	2021	Local	\$ -	\$ 430,620	\$ 430,620	100.0%
Construction	Town of Queen Creek	Queen Creek Wash Trail Extension - Crismon to Rittenhouse Rd, Wash to Riggs Rd	2023	CMAQ	\$ 768,152	\$ 46,431	\$ 814,584	5.7%
<b>Total Programmed</b>					\$ 768,152	\$ 736,051	\$ 1,504,204	48.9%
ADOT Design Review Fee					\$ -	\$ 31,020	\$ 31,020	100.0%
<b>Total Cost</b>					\$ 768,152	\$ 767,071	\$ 1,535,224	50.0%

**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: John Kross

Title: Town Manager

Date: 9/12/2019

## Part F - Checklist

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

COVER SHEET		Complete?
Cover Sheet is completely filled out		Yes
PART A - Contacts and Project Description Fields		Complete?
Contact Information, fields 1 – 5 are complete		Yes
Project Description, fields 6 - 8 are complete		Yes
PART B - Project Description		Complete?
Fields 1 - 14 (Project Description) are complete		Yes
Fields 15 - 17 (Transit) are complete		Yes
Fields 18 – 22 (Attractors and Demographics) are complete		Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete		Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete		Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete		Yes
PART C - Required Attachments		Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.		Yes
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.		Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).		Yes
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.		Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.		Yes
(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
PART D - Cost Estimate Worksheet		Complete?
<b>PROCUREMENT</b> (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
<b>DESIGN</b> (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

<b>RIGHT OF WAY</b> (Applicable only if ROW is to be acquired)	REQUESTED PROGRAMMING (Rows 46-49)	<b>Complete?</b>
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	RIGHT OF WAY COST (Rows 51-63)	Yes
<b>CONSTRUCTION</b> (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 55-58)	<b>Complete?</b>
	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	<b>Complete?</b>
	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)	
<b>PART E - Budget and Signature Page</b>		<b>Complete?</b>
Name, title and date fields under the signature are completed.		Yes
<b>PART F - Signature and Checklist</b>		<b>Complete?</b>
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>

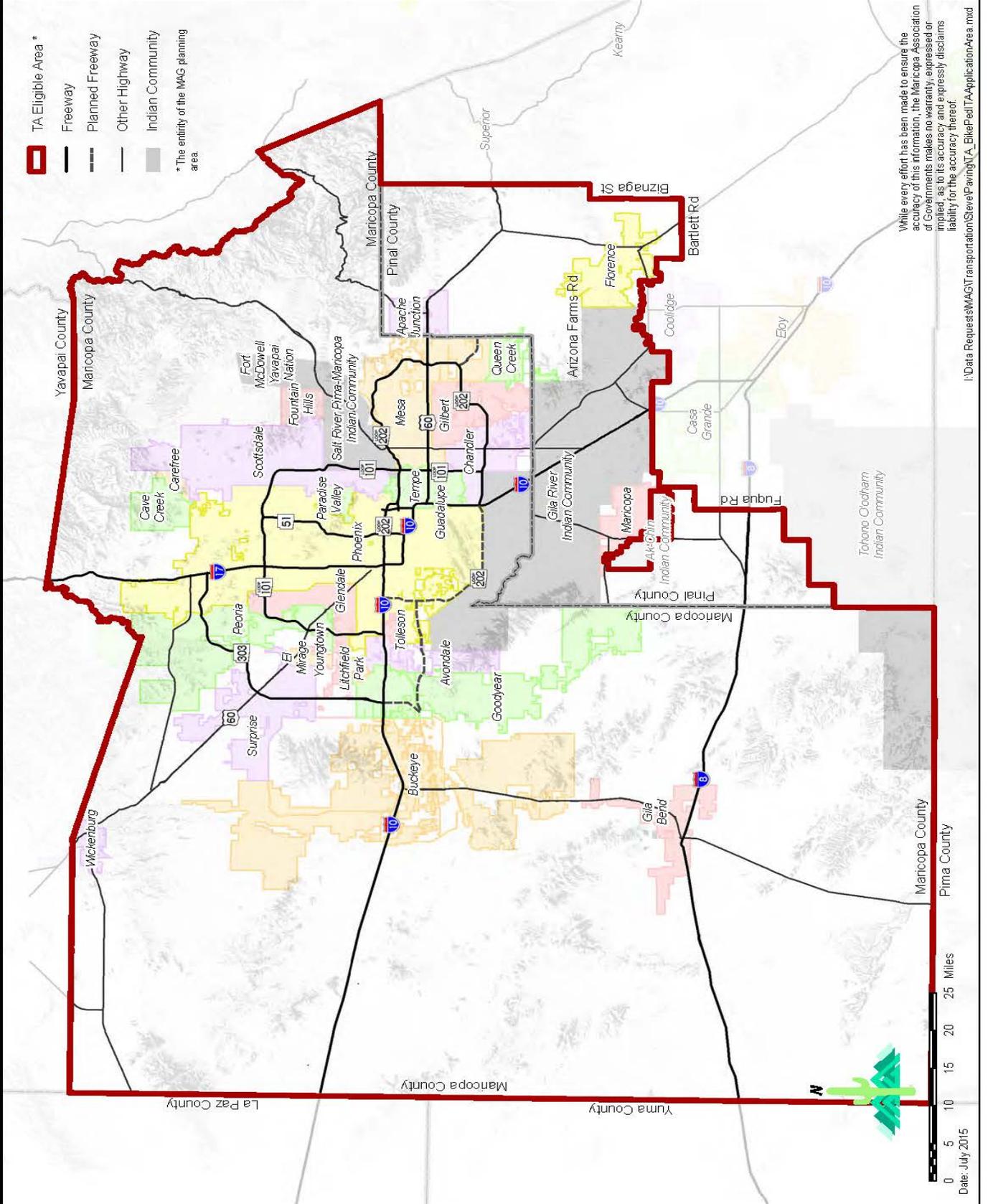
Notes:

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



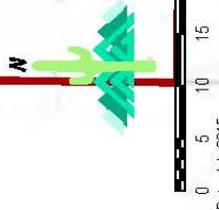
# TA Bicycle/Pedestrian Application Area

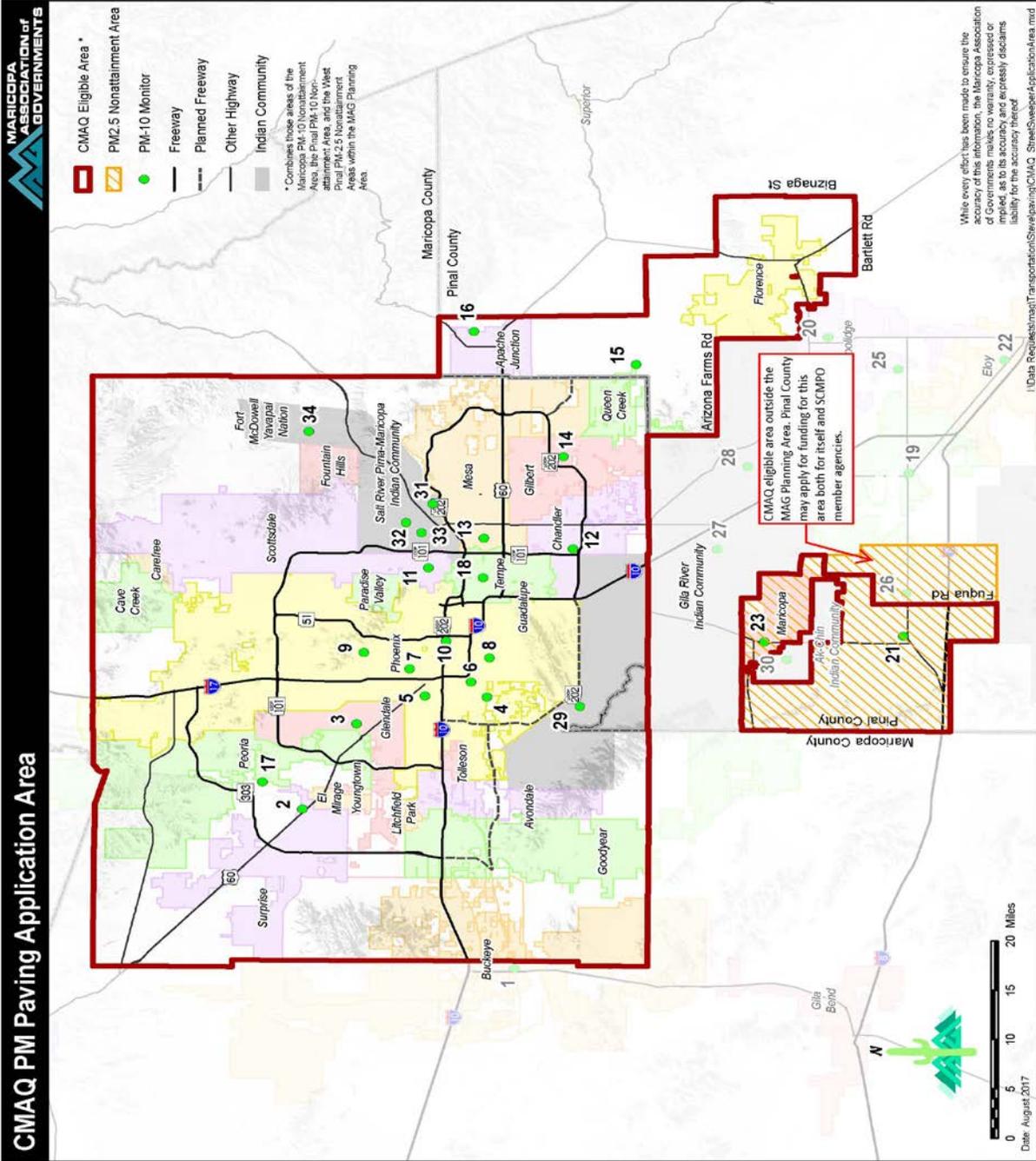
- TA Eligible Area \*
  - Freeway
  - Planned Freeway
  - Other Highway
  - Indian Community
- \* The entirety of the IMAG planning area



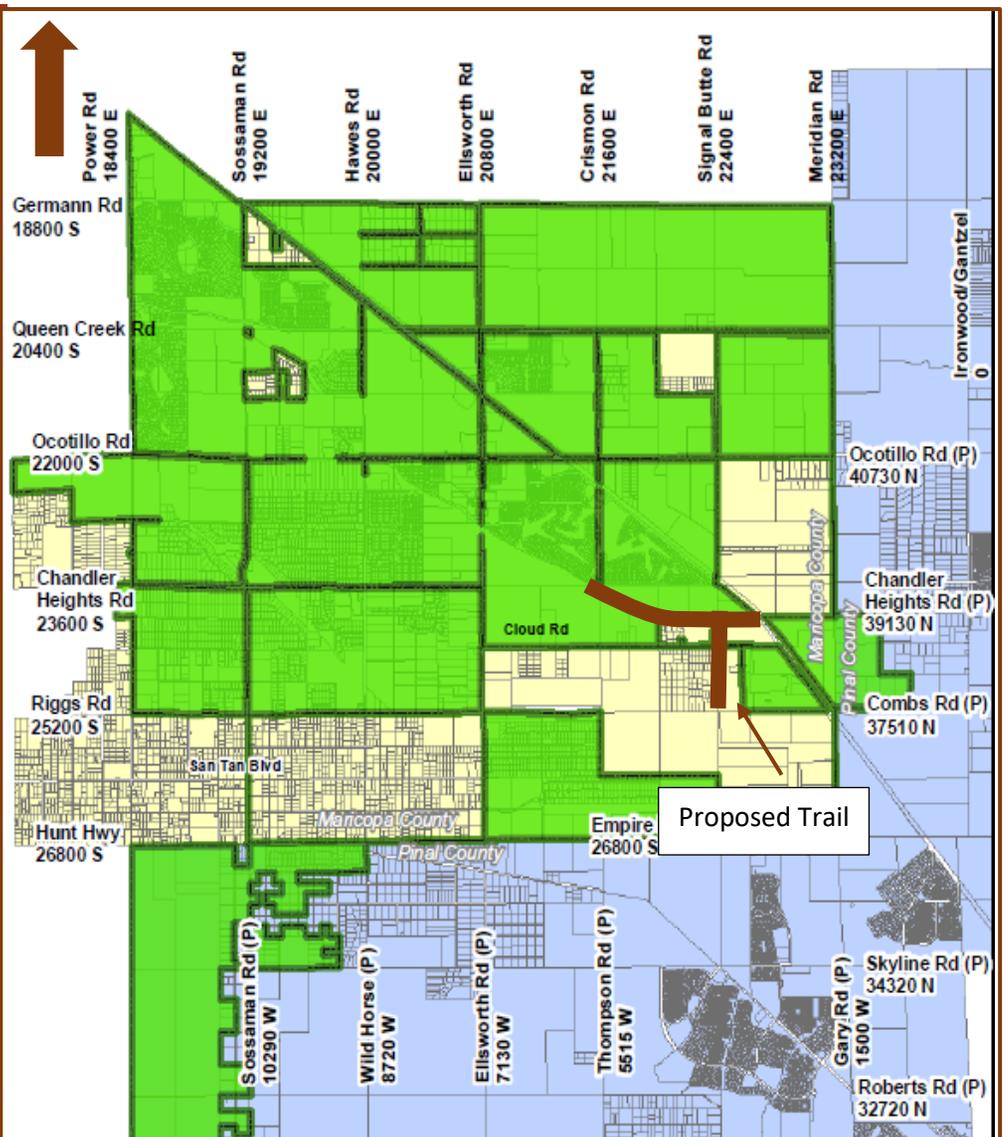
While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

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



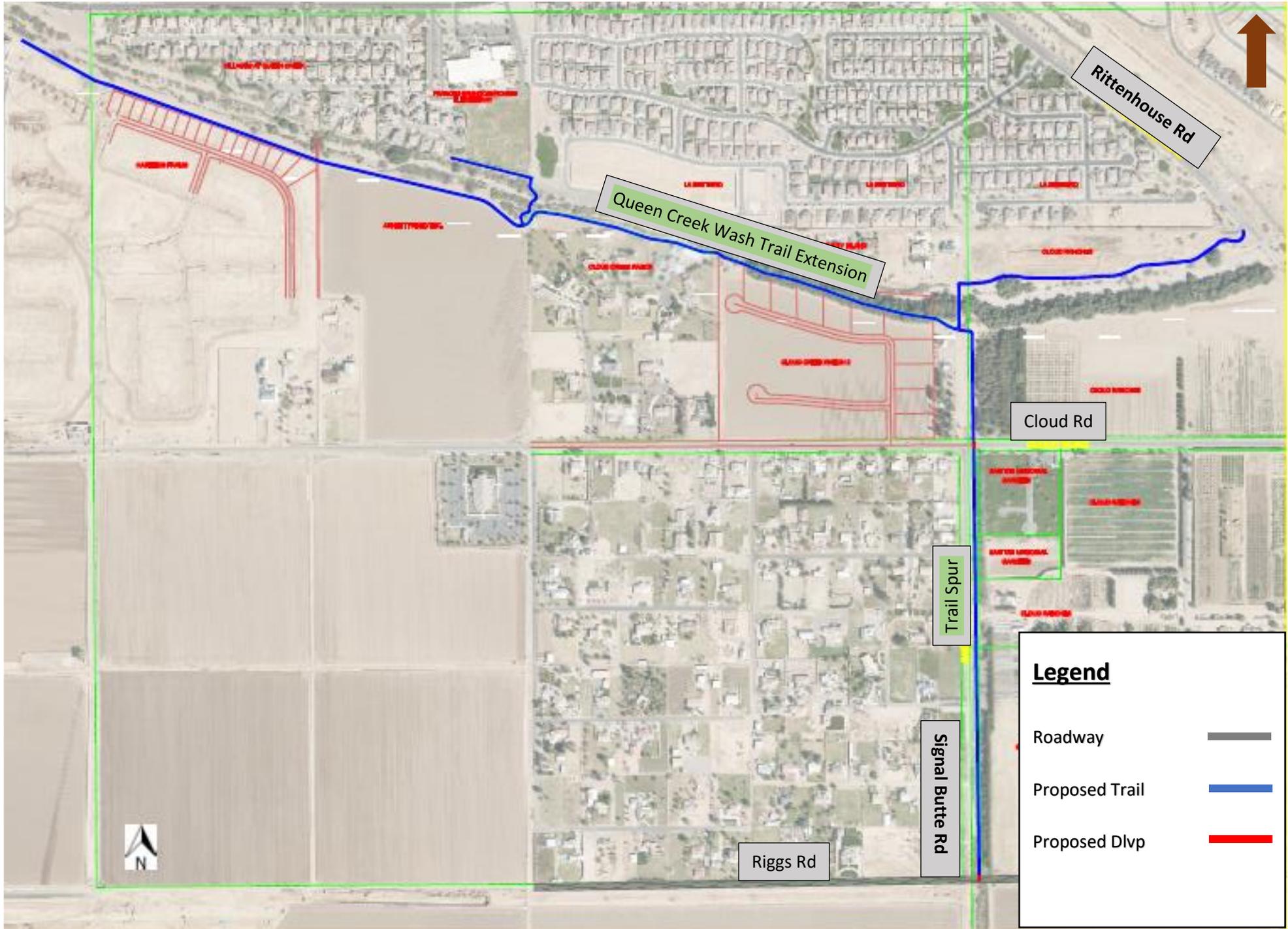


Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 W. 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 N. Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 W. Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd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



### Queen Creek Town Limits

- Queen Creek
- Unincorporated Maricopa County
- Unincorporated Pinal County



Queen Creek Wash Trail Extension

Rittenhouse Rd

Cloud Rd

Trail Spur

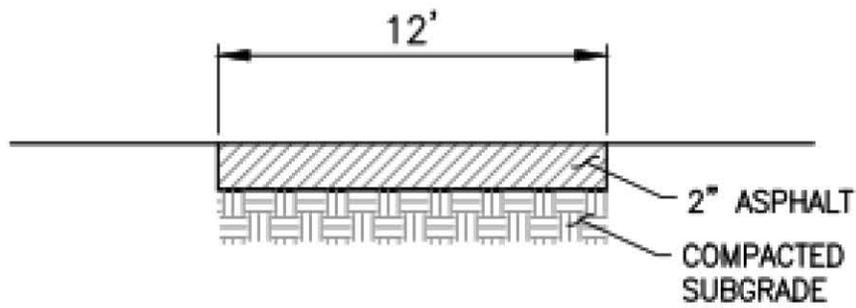
Signal Butte Rd

Riggs Rd

**Legend**

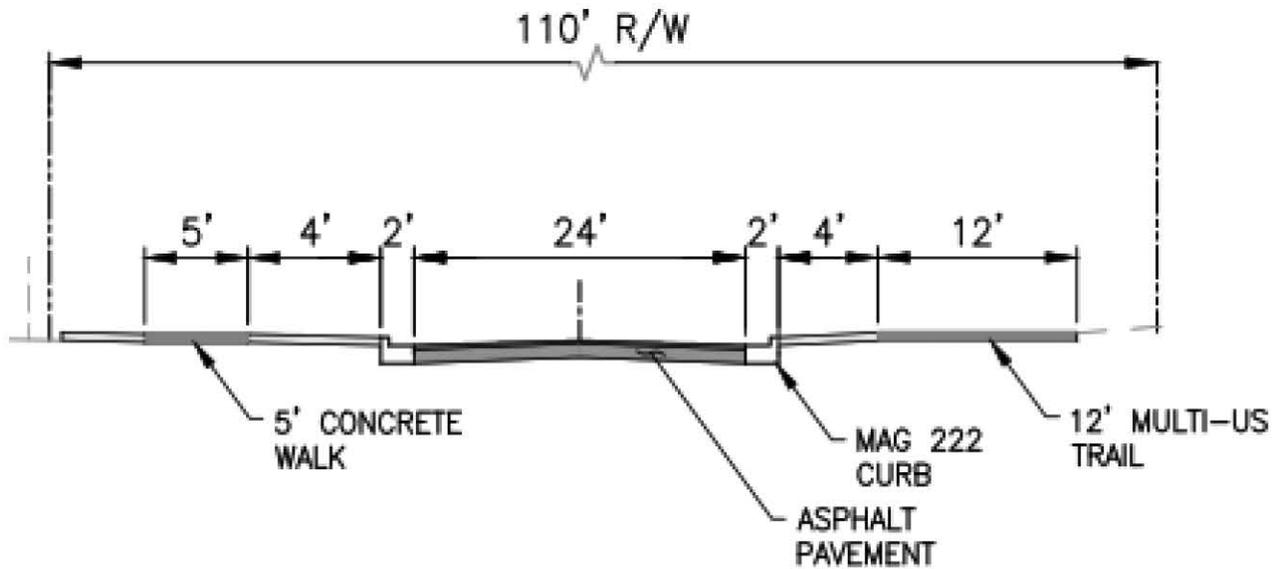
- Roadway
- Proposed Trail
- Proposed Dlv





**MULTI-USE TRAIL  
SECTION**

NOT TO SCALE



**FUTURE SIGNAL BUTTE ROAD (LOOKING NORTH)  
SECTION**

NOT TO SCALE



Schnepf Farms  
22601 E. Cloud Rd.  
Queen Creek, AZ 85142  
(480) 987-3333

Wednesday, September 11, 2019

Active Transportation Committee  
Maricopa Association of Governments  
302 N. 1st Avenue, Suite 300  
Phoenix, Arizona 85003

Dear Members of the Active Transportation Committee,

I understand you will be evaluating an upcoming application submitted by the Town of Queen Creek for Transportation Alternative/Congestion Mitigation Air Quality funding opportunities associated with the construction of the Queen Creek Wash Trail (Crismon to Rittenhouse Road), in accordance with the Town's Master Parks and Recreation Plan. On an annual basis, Schnepf Farms attracts over 250,000 visitors to our property and as a result has a unique agritourism designation. The volume of visitors makes the extension of this trail essential to our operations in order to provide alternative transportation solutions to our customers and patrons.

Due to the significance of this effort, I have committed to the Town an approximate  $\frac{3}{4}$  quarter of a mile of dedicated right of way running north-south along Signal Butte to connect Riggs Road to both the Wash and the Sonoqui Wash trail. This dedication will allow for full service to the area and future non-vehicular connection points to the Queen Creek Olive Mill located across the street. I look forward to the potential opportunity to partner with you, Maricopa Association of Governments and the Town in these efforts.

Thank you for your consideration of the Town's application and please don't hesitate to contact me at (480) 283-4211 should you have any questions.

Sincerely,

Mark Schnepf  
Owner, Schnepf Farms











25062 Meridian Rd • Queen Creek, AZ 85142 • 480-888-9290  
www.queencreekolivemill.com

July 10, 2019

Active Transportation Committee  
Maricopa Association of Governments  
302 N. 1<sup>st</sup> Avenue, Suite 300  
Phoenix, Arizona 85003

Dear Members of the Active Transportation Committee,

I understand you will be evaluating an upcoming application submitted by the Town of Queen Creek for funding opportunities associated with the design and ultimate construction of the Queen Creek Wash Trail, in accordance with the Town's Master Parks and Recreation Plan. Completion of this trail, listed as the highest priority within the Town, will provide much needed pedestrian and bicycle solutions to not only the Town's residents but residents of surrounding areas frequenting both our location, the Olive Mill, as well as neighboring Schnepf Farms. This increases our ability and opportunity to serve these customers, as a result of the reduction of vehicular traffic and congestion we frequently receive as a popular tourist destination.

We are excited about the opportunity to partner with you and the Town and would respectfully request your support of the Town's application. Thank you for your consideration and please don't hesitate to contact me at (480) 888-9290 should you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Perry J. Rea".

Perry J. Rea  
President & Owner  
Queen Creek Olive Mill

Queen Creek : Queen Creek Wash Trail Extension - Phase 1

**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	Town of Queen Creek	Queen Creek Wash Trail Extension - Crismon to Rittenhouse Rd, Wash to Riggs Rd	2021	Local	\$ -	\$ 259,000	\$ 259,000	100.0%
Right-of-Way	Town of Queen Creek	Queen Creek Wash Trail Extension - Crismon to Rittenhouse Rd, Wash to Riggs Rd	2021	Local	\$ -	\$ 430,620	\$ 430,620	100.0%
Construction	Town of Queen Creek	Queen Creek Wash Trail Extension - Crismon to Rittenhouse Rd, Wash to Riggs Rd	2023	CMAQ	\$ 768,152	\$ 46,431	\$ 814,584	5.7%
<b>Total Programmed</b>					\$ 768,152	\$ 736,051	\$ 1,504,204	48.9%
<b>ADOT Design Review Fee</b>					\$ -	\$ 31,020	\$ 31,020	100.0%
<b>Total Cost</b>					\$ 768,152	\$ 767,071	\$ 1,535,224	50.0%

**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: John Kross

Title: Town Manager

Date: 9/12/2019