

Transportation Alternatives (TA) / CMAQ Application For FY 2021 and FY 2022 Projects



Due: September 25, 2017 at 10:00 a.m.

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

TA Amount Available: \$4,178,521, and \$ 4,248,246 (\$8,426,767 total)

CMAQ Amount Available: \$8,765,780, and \$8,905,080 (\$17,670,860 total)



INSTRUCTIONS AND SCHEDULE

**The due date and time for project applications to be submitted to MAG is
Monday, September 25, 2017 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 FY2018-FY 2022 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2021 and 2022.

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 - Total Project Budget and Schedule
- Part F - Checklist and Signature Page
- 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

All applications are due on **Monday, September 25, 2017 by 10:00 a.m.** Both an electronic and printed copy of the application and all attachments are required.

The electronic copy of the application includes the following:

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

The printed copy of the application includes the following:

- a. A printout of the completed Excel spreadsheet application, with the signature block in Part F signed and dated
- b. Printed copies of all required attachments

MAG Mailing Address

Electronic applications should be sent to the following address:

[mailto: MAG Staff](mailto:MAG Staff)

Printed copies should be addressed as follows:

Maricopa Association of Governments
ATTN: Teri Kennedy,

302 N. 1st Avenue, Suite #300,
Phoenix, AZ 85003.

If a complete, signed electronic copy is received by the submittal deadline, applicants have five working days to submit a printed copy of the application.

Late and/or incomplete applications will not be accepted.

INSTRUCTIONS AND SCHEDULE

The due date and time for project applications to be submitted to MAG is
Monday, September 25, 2017 at 10:00 a.m.

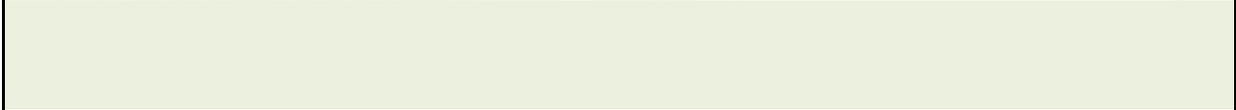
Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Workshop/Open Working Group
Monday, August 21, 2017	10:00-Noon	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Tuesday, September 12, 2017	10:00-11:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Tuesday, September 19, 2017	11:00-Noon	Chaparral	Open Working Group - Federal Fund Project Applications

* All meetings will be held on the 2nd Floor of the MAG Offices at 302 North 1st Ave, Phoenix, Arizona 85003

MAG CONTACT INFORMATION

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



Transportation Alternatives / CMAQ Application for
FY 2021 and FY 2022 Projects



McClintock Drive and Kyrene Road Bike Lanes



City of Chandler

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 25, 2017 at 10:00 a.m.**

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

Chandler: McClintock Drive and Kyrene Road Bike Lanes

PART A - CONTACT AND PROJECT DESCRIPTION

Contact Information

1. Name of Sponsoring Agency	Chandler
2. Agency Contact Name	Jason Crampton
3. Phone Number of Agency Contact	480-782-3402
4. E-Mail Address of Agency Contact	jason.crampton@chandleraz.gov
5. Mailing Address of Agency Contact	PO Box 4008; Mail Stop 412; Chandler, AZ 85244-4008

Project Description

6. Please provide the Project Title.	McClintock Drive and Kyrene Road Bike Lanes
7. Please provide a concise, specific description of the project (250 character limit):	
<p>This project will add bike lanes on McClintock Drive and Kyrene Road in the City of Chandler by narrowing or removing medians and restriping roadways. Both McClintock and Kyrene have bike lanes in the City of Tempe, but the bike lanes terminate at the City of Chandler border. This project will complete the missing portion of bike lanes on each road by adding 1.3 miles of bike lane on Kyrene and 2.5 miles of bike lane on McClintock, completing a gap in the bike network with connections to important bike routes on Chandler Blvd and Ray Road. Once completed, there will be 6 miles of continuous bike lane on Kyrene and 8 miles of continuous bike lane on McClintock.</p>	
8. Please provide the project limits:	
<p>Kyrene Road from approximately 1/3 mile north of Ray Road to 500 feet south of Chandler Blvd. and McClintock Drive from approximately 1/2 mile north of Ray Road to Loop 202.</p>	

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 checked="" type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <input type="checkbox"/> Wide Sidewalk (8' min.) |
| <input type="checkbox"/> Buffered Bike Lane | <input type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input type="checkbox"/> Signalized Crossing |
| <input type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input type="checkbox"/> Sidewalk (5' min.) | <input 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; border: 1px solid black;" type="text" value="none"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|--|
| <input style="width: 50px; text-align: center;" type="text" value="12"/> Number of Bike racks/lockers | <input type="checkbox"/> Number of Seating/Rest Area(s) |
| <input type="checkbox"/> Number of Drinking Fountains | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input style="width: 50px; text-align: center;" type="text" value="8"/> Number of Way-finding Signs | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Trash receptacles | Other: |
| <input type="checkbox"/> Number of Trees | <input style="width: 400px; height: 20px;" 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.

Both McClintock and Kyrene have bike lanes in the City of Tempe, but the bike lanes terminate at the City of Chandler border. Chandler designates these arterial streets as bike routes, but bike lanes are lacking on Kyrene between the Chandler/ Tempe border and Chandler Blvd., and the entire length of McClintock south of the Tempe border. This project will complete the missing portion of bike lanes on each road by adding 1.3 miles of bike lane on Kyrene and 2.5 miles of bike lane on McClintock. Bike lanes on Chandler Blvd. and Ray Rd. connect these two bike routes.

PART B-DETAILED PROJECT DESCRIPTION

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

Bike lanes will be added by narrowing or removing medians as needed and restriping. Portions of vehicular lanes will be narrowed as well to accommodate the bike lanes. In the process of narrowing the medians, several streetlight poles will need to be moved from the median to behind the sidewalk. In addition to bike lanes, amenities such as wayfinding signs and bike racks will be installed along the improved bike route.

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

By adding these bike lanes, we will be completing the bike network that exists in Tempe, improving accessibility and safety in Chandler and in the regional network. These planned improvements will connect with 1 mile of existing bike lane on Kyrene Road in Chandler, 4 miles of existing bike lane on Kyrene Road in Tempe, and 5.5 miles of existing bike lane on McClintock Drive in Tempe. The existing bike lanes on Kyrene and McClintock also make direct connections to the regional trail system (Western Canal Path).

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

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

Other

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

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

Please Explain:

We will display 4'x6' bicycle safety posters (Share the Road or some other message) in our bus stop advertising kiosks along Kyrene and McClintock after these new bike lanes are constructed.

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

This project will provide a safe area for cyclists trying to access existing bike lanes.

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

If there are any curb/ sidewalk reconstructions involved with this project, all curb ramps rebuilt and adjacent curb ramps will be brought up to current ADA standards. However, the majority of this work will be restricted to median reconstruction, and there may not be impact to any existing sidewalk. Both of these streets already have existing sidewalk on both sides so no new sidewalk is planned.

PART B-DETAILED PROJECT DESCRIPTION

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

This project will provide access to a number of nearby residential developments, commercial centers, offices and other employment centers. Within 1 mile of this project, there are 33,110 employees (MAG employer database) and an estimated 47,133 residents (2015 ACS). The improvements will make it easier for these residents and employees to travel within this area as well as connecting with adjacent communities.

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

By narrowing the portion of the roadway dedicated to automobiles and adding bike lanes, the new streetscape will be more of a complete street and will encourage higher levels of active transportation in the area.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Connects to existing bike lanes in Tempe and Chandler

Project connects to other local bikeways

List of connected bikeways:

This project connects to existing bike lanes that connect to the Western Canal Path

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

List of Participating Jurisdictions:

This project will require restriping a minor portion of roadway in Tempe.

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

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

Within 1/2 mile

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

Within 1/2 mile

List routes and frequency:

Rt. 72 (20 min.), Rt. 156 (30 min.), Rt. 140 (30 min.), Rt. 81 (30 min.), Rt. 66 (30 min.), 522 (express)

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

Within 1/2 mile

List:

The Chandler Transit Center is within 2/3 mile of the project and is connected to this project by existing bike lanes.

PART B-DETAILED PROJECT DESCRIPTION

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

13 Within 1/2 mile

List:

Windmills West Park, Harter Park, Pueblo Alto Park, Price Park, Desert Breeze Park, Nozomi Park, Nozomi Aquatic Facility, Sundance Park, Harelson Park, Goodwin Park, Pollack Chabad Center for Jewish Life, Fire Station No. 9,

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):

62 Within 1/2 mile

List:

McClintock Professional Plaza, McRay Plaza, Albertson's Center, Chase/ CVS Center, Parkside, Chandler Corporate Center, Staybridge Suites, Stellar Airpark, San Tan Tech Center, Chandler Gateway Office Park, Dentistry Center,

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

5 Within 1/2 mile

List:

Kyrene Traditional Academy - Sureño, Kyrene de las Brisas, Kyrene Aprende, Kyrene del Cielo, Kyrene de la Mirada

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

6 Within 1/2 mile

List:

Montessori, Brightmont Academy, Kindercare Learning Center, Valley Child Care and Learning Center, Tutor Time, Mathnasium Learning Center

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):

31 Within 1/4 miles

List:

McClintock Professional Plaza, McRay Plaza, Albertson's Center, Chase/ CVS Center, St. Columba Kim Catholic Church, Parkside, Pollack Chabad Center for Jewish Life, Chandler Corporate Center, Circle K, Staybridge Suites,

43 1/4 miles to 1/2 miles

List:

Southpark Business Center, Chandler Center Commons, Erie/ Oakland Business Park, 675 – 735 W. Knox (IPT, Global Thermoforming), MDI, MicroTech, Performance Food Service, 9160 S. McKemy (Multiple businesses),

PART B-DETAILED PROJECT DESCRIPTION

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:

Kyrene Road, approximately 500 feet south of Chandler Blvd. to approximately 1/3 mile north of Ray Road. McClintock Drive from Loop 202 to approximately 1/2 mile north of Ray 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:

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

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

PART B-DETAILED PROJECT DESCRIPTION

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.

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

Yes

No

PART B-DETAILED PROJECT DESCRIPTION

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

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

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

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	<input type="text" value="Other:"/>
<input type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	
<input checked="" type="checkbox"/>	MAG Complete Streets Guide	
<input checked="" type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input checked="" 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="Required"/>
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="Recommend"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Recommend"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="No"/>
Complete Streets Policy	<input type="text" value="Yes"/>

34. The project is: (Check one)

<input checked="" type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <input type="text" value="Design and construction included in CIP. General Plan also calls for bike lanes on all arterials."/>
<input type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <input type="text"/>
<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <input type="text"/>

PART B-DETAILED PROJECT DESCRIPTION

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

The City will conduct before and after bike counts in the project area. Additionally, the City will analyze bike crash data before and after. A growth in the number of bicyclists and/ or a reduction in bicycle crashes would indicate that the project was successful.

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?

The City will conduct bicycle counts by utilizing MAG's bike counters and/ or conducting periodic manual counts by using our traffic signal video feeds. No new permanent bicycle/ pedestrian count technology will be installed with this project.

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 City will use its marketing/ outreach resources to notify citizens of the new bike connection to Tempe. This includes social media blasts, news release, advertisements in local periodicals, information on the City Web site, and more. Additionally, the City will utilize its bus stop advertising program to publicize the new bike routes and/ or bike safety.

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

Yes, the City will add wayfinding signage in the project area. Wayfinding signage will include route name and distance to major activity centers/ bike paths such as the Western Canal Path and Chandler Fashion Center. The City will incorporate MAG Valley Path branding in the signage.

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

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

Sponsoring Agency:	Project Title:	Application Date:
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY	LS	1	\$30,000.00	\$30,000.00	No	\$0.00	\$30,000.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$30,000.00	\$30,000.00	No	\$0.00	\$30,000.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$40,000.00	\$40,000.00	No	\$0.00	\$40,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00		
	Subtotal Scoping (Part A)				\$120,000.00		\$0.00	\$120,000.00		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$200,000.00	\$200,000.00	No	\$0.00	\$200,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$40,000.00	\$40,000.00	No	\$0.00	\$40,000.00		
	3. DRAINAGE REPORT	LS	1	\$30,000.00	\$30,000.00	No	\$0.00	\$30,000.00		
	4. SWPPP	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00		
	Subtotal PE (Part B)				\$290,000.00		\$0.00	\$290,000.00		
Subtotal Preliminary Engineering (Part A + Part B)							\$0.00	\$410,000.00		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
Subtotal Right-of-Way Acquisition (Part C)							\$0.00	\$0.00		
D. Utility Relocation	1. Utility Relocation	LS	1	\$150,000.00	\$150,000.00	No	\$0.00	\$150,000.00		
Subtotal Utility Relocation (Part D)							\$0.00	\$150,000.00		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00
		Site Preparation		LS	1	\$100,500.00	\$100,500.00	Yes	\$94,771.50	\$5,728.50
		Demolition	Sawcut	LF	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Structures and Obstructions	LS	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Fencing	LF	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete	LF	29,542	\$4.25	\$125,553.50	Yes	\$118,396.95	\$7,156.55
			Remove Asphaltic Concrete Pavement	SY	7,800	\$9.20	\$71,760.00	Yes	\$67,669.68	\$4,090.32
		Remove Concrete Sidewalks, Slabs	SF	35,339	\$2.50	\$88,347.50	Yes	\$83,311.69	\$5,035.81	
		Hazmat Abatement		LS	1		\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	1		\$0.00	Yes	\$0.00	\$0.00
		Earthwork	General Excavation	SY	9,917	\$5.00	\$49,585.00	Yes	\$46,758.66	\$2,826.35
			Drainage Excavation	CY	1		\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation	CY	1		\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill	CY	1		\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)	CY	1		\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	27,033	\$12.50	\$337,912.50	Yes	\$318,651.49	\$19,261.01
		Aggregate Base		Ton	4,963	\$25.00	\$124,075.00	Yes	\$117,002.73	\$7,072.28
		Pathway Or Sidewalk Materials	Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Colored Concrete	SY	1,632	\$60.00	\$97,920.00	Yes	\$92,338.56	\$5,581.44
			Stamped Color Concrete	SY	0		\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	Ton	2,748	\$100.00	\$274,800.00	Yes	\$259,136.40	\$15,663.60
			Polymer or Resin Stabilized Surface	SY	130,810	\$3.50	\$457,835.00	Yes	\$431,738.41	\$26,096.60
		Concrete Pavers	Concrete Pavers	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	LF	104,749	\$0.56	\$58,659.44	Yes	\$55,315.85	\$3,343.59
			Stamped Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement		SF	1		\$0.00	Yes	\$0.00	\$0.00
		Integral Color Concrete		SF	1		\$0.00	Yes	\$0.00	\$0.00
		Pedestrian ADA Ramp		SF	1		\$0.00	Yes	\$0.00	\$0.00
Culvert Extensions		LF	1		\$0.00	Yes	\$0.00	\$0.00		
Pedestrian Lighting Including Conduit And Trenching		Each	161	\$2,379.00	\$383,019.00	Yes	\$361,186.92	\$21,832.08		
Handrail	Standard	LF	1		\$0.00	Yes	\$0.00	\$0.00		
	Decorative	LF	1		\$0.00	Yes	\$0.00	\$0.00		
Subtotal Hardscape Construction							\$2,065,138.82	\$124,828.12		

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

Sponsoring Agency:		Project Title:		Application Date:										
Part	Item Description					Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Requirements					Each	1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
		Trees (15 Gallon Size)					Each	10	\$1,500.00	\$15,000.00	Yes	\$14,145.00	\$855.00	
		Trees (5 Gallon Size)					Each	27	\$225.00	\$6,075.00	Yes	\$5,728.73	\$346.28	
		Shrubs (5 Gallon Size)					Each	130	\$26.00	\$3,380.00	Yes	\$3,187.34	\$192.66	
		Shrubs (1 Gallon Size)					Each	391	\$8.00	\$3,128.00	Yes	\$2,949.70	\$178.30	
		Cactus (5 Gallon Size)					Each	13	\$1,200.00	\$15,600.00	Yes	\$14,710.80	\$889.20	
		Mulch		Decomposed Granite			SY	6,029	\$4	\$21,102	Yes	\$19,899	\$1,203	
				Organic			CY	1		\$0	Yes	\$0	\$0	
		Topsoil					CY	1		\$0	Yes	\$0	\$0	
		Seeding					Acre	1		\$0	Yes	\$0	\$0	
		Turf Sod					SY	1		\$0	Yes	\$0	\$0	
		Boulders					Each	25	\$50	\$1,250	Yes	\$1,179	\$71	
		Irrigation System		Drip			LS	1	\$50,000	\$50,000	Yes	\$47,150	\$2,850	
				Turf			LS	0	\$0	\$0	Yes	\$0	\$0	
	Directional Bore			LF	438	\$13	\$5,694	Yes	\$5,369	\$325				
	Sleeving For Irrigation System		Cut and Patch			LF	1		\$0	Yes	\$0	\$0		
			Landscape Header Curb			LF	1		\$0	Yes	\$0	\$0		
	Landscape Establishment					LS	1	\$65,000	\$65,000	Yes	\$61,295	\$3,705		
	Subtotal Landscaping & Irrigation Items								\$206,229		\$194,473	\$11,755		
	3. Site Furnishings	Benches					Each	1		\$0	Yes	\$0	\$0	
		Seatwalls					LF	1		\$0	Yes	\$0	\$0	
		Bike Racks					Each	12	\$200	\$2,400	Yes	\$2,263	\$137	
		Trash Receptacles					Each	1		\$0	Yes	\$0	\$0	
		Drinking Fountains					Each	1		\$0	Yes	\$0	\$0	
		Signage (Standard Traffic Control)					Each	65	\$210	\$13,650	Yes	\$12,872	\$778	
		Signage (Wayfinding)					Each	1		\$0	Yes	\$0	\$0	
		Tree Grates					Each	1		\$0	Yes	\$0	\$0	
		Subtotal Site Furnishings								\$16,050		\$15,135	\$915	
		Bicycle and Pedestrian Counter					Each	1		\$0	Yes	\$0	\$0	
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)							1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
								1		\$0	Yes	\$0	\$0	
		Subtotal Other Construction								\$0		\$0	\$0	
	5. Mobilization And Administration Costs	Contractor Mobilization					LS	1	\$100,000	\$100,000	Yes	\$94,300	\$5,700	
		Traffic Control					LS	1	\$120,000	\$120,000	Yes	\$113,160	\$6,840	
		Construction Survey & Layout					LS	1	\$30,000	\$30,000	Yes	\$28,290	\$1,710	
		Construction Contingencies					LS	1	\$250,000	\$250,000	Yes	\$235,750	\$14,250	
		Construction Administration					LS	1	\$331,000	\$331,000	Yes	\$312,133	\$18,867	
Subtotal Mobilization & Administration Costs								\$831,000		\$783,633	\$47,367			
Subtotal Construction Or Implementation Cost (Part E)								\$3,243,245		\$3,058,380	\$184,865			
F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)								\$3,803,245		\$3,058,380	\$744,865			
G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,000								\$10,000	No	\$0	\$10,000			
H. Total Project Cost Including ADOT Fees (Part F + Part G)								\$3,813,245		\$3,058,380	\$754,865			

PART E - TOTAL PROJECT SCHEDULE AND BUDGET

Please verify that the cost and programming estimates for the total project are correct below. The numeric values on this sheet (in GREY) are automatically populated from the cost estimate sheet (Part D) and cannot be modified. If there are any errors in the numeric values on this sheet, please verify and correct the numbers you have entered into the cost estimate sheet (Part D). You MUST fill in the GREEN portions of Part E manually.

The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in questions 24-27 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)
1. ADOT Fee	\$10,000	
2. Design	\$410,000	
3. Right of way	\$0	
4. Utilities	\$150,000	
5. Construction	\$2,993,245	
6. Contingency	\$250,000	No more than 20% of Construction Cost
7. Total Cost	\$3,813,245	

8. Will the agency maintain the improvement after it is completed?

9. Expected Annual Maintenance Cost

10. Identify Source of Maintenance Funds

Requested MAG Programming	Year	Short Work Description (E.g. Construct Multiuse Path)	Local Funding Source	Local Cost	Federal Cost	Total Cost	Local Share
11. Design (Optional)	2018	Currently underway.	Bond Proceeds	\$410,000	Not Available	\$410,000	100.0%
12. Right of way (Optional)		No Right of way needed		\$0	Not Available	\$0	
13. Utilities (Optional)	2020	SRP Relocations		\$150,000	Not Available	\$150,000	100.0%
14. Other (Optional)	2019	ADOT Fee		\$10,000	Not Available	\$10,000	100.0%
15. Construction	2021	Construct Bike Lanes	Bond Proceeds	\$184,865	\$3,058,380	\$3,243,245	5.7%
16. Total Costs				\$754,865	\$3,058,380	\$3,813,245	19.8%

PART F - SIGNATURE AND CHECKLIST

Checklist

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

COVER SHEET	Complete?
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
PART B - Project Description	Complete?
Fields 1 - 14 (Project Description) are complete	Yes
Fields 15 - 17 (Transit) are complete	Yes
Fields 18 – 22 (Attractors and Demographics) are complete	Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete	Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete	Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete	Yes
PART C - Required Attachments	Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.	Yes
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.	Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).	Yes
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.	Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.	No
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.	Yes
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	No
PART D - Cost Estimate Worksheet	Complete?
Sponsoring Agency, Project Title, and Application Date are complete	Yes
Part A - Scoping is complete	Yes
Part B - Final Preliminary Engineering Design is complete	Yes
Part C - Right-of-Way Acquisition is complete	Yes
Part D - Utility Relocation is complete	Yes
Part E - Construction or Implementation is complete	Yes
Parts F, G, and H - Costs are complete and accurate	Yes
PART E - Total Project Schedule and Budget Including All Segment Fields	Complete?
Fields 1 – 7 are complete and costs are accurate	Yes
Field 8 - 10 are complete	Yes
Fields 11 – 15 Years are complete	Yes
Fields 11 – 15 Local Funding Sources are complete	Yes
Fields 11 – 15 Local Costs are complete and accurate	Yes

Field 11 - 15 Federal Costs are complete and accurate	Yes
Field 16 Total Costs are complete and accurate	Yes
PART F - Signature and Checklist	Complete?
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager/administrator or designated representative.	Yes
Name, title and date fields under the signature are completed.	Yes

SIGNATURE(S):

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

Signature:	
Name:	Marsha Reed
Title:	City Manager
Date:	9/19/2017

Instructions for the Submittal of GIS Data for Funding Applications

It is preferred that, when possible, member agencies submit GIS data representing the locations of projects defined in their Applications. For member agencies unable to meet this requirement, MAG staff is available to assist in this area.

Submission Requirements

GIS Data – For each geometry type (point, line, polygon), please provide a single GIS shapefile or feature class for your jurisdiction. 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 shapefiles or geodatabase feature classes along with your Project Application.

File Formats – Agencies that are able to submit GIS data along with Applications shall provide the data in one of three formats that are compatible with ESRI products: (1) shapefile, (2) Personal Geodatabase, or (3) File Geodatabase.

Spatial Reference – The preferred spatial reference system of submitted GIS data is State Plane Arizona Central NAD 83 HARN.

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.

ADOT Review Fees for Certification Accepted Agencies/1

ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Environmental Planning	Environmental Planning	\$ 50	100	\$ 5,000
Urban Project Management	Project Manager	\$ 60	60	\$ 3,600
Urban Project Management	Project Coordinator	\$ 60	20	\$ 1,200
SUBTOTAL			180	\$ 9,800
STAFF GRAND TOTAL				\$ 10,000

ADOT Review Fees for Non Certification Accepted Agencies/1

ADOT SECTION	FUNCTION	RATE	HOURS	CHARGE/2
Contracts and Specs	Contracts and Specs	\$ 60	200	\$ 12,000
District	District	\$ 55	18	\$ 990
Engineering Consulting Section	Engineering Consulting Section	\$ 40	24	\$ 960
Environmental Planning	Environmental Planning	\$ 50	100	\$ 5,000
Materials	Geotech Design	\$ 50	15	\$ 750
Materials	Geotech Field Investigation	\$ 50	5	\$ 250
Right of Way	Plans	\$ 50	40	\$ 2,000
Roadway Group	Roadway Design	\$ 55	40	\$ 2,200
Roadway Group	Roadway Review	\$ 70	5	\$ 350
Traffic	Traffic Design	\$ 55	45	\$ 2,475
Urban Project Management	Project Manager	\$ 60	40	\$ 2,400
Urban Project Management	Project Coordinator	\$ 60	10	\$ 600
SUBTOTAL			542	\$ 29,975
STAFF GRAND TOTAL				\$ 30,000

Notes:

1. Based on material provided by ADOT in July, 2015. All functions, rates, hours and costs are as listed in the material provided by ADOT. Items listed in the ADOT information for which no rates, hours and costs were included were omitted from the table.

2. Charges to agencies will be based on work performed by ADOT. Costs accrued will vary depending on project characteristics and may be either higher or lower than those listed in the table.

TRANSPORTATION ALTERNATIVES PROGRAM

Eligible Activities

Through consultation with MAG member agencies and with the approval of the MAG Regional Council, MAG has determined that the MAG Transportation Alternatives program will prioritize the following eligible activities:

1) Transportation Alternatives as defined in 23 U.S.C. 101(a)(29) (MAP-21 §1103):

A. Construction of on-road and off-road trail facilities for pedestrians, bicyclists, and other nonmotorized forms of transportation, including sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990 (42 USC 12101 et seq.).

B. Construction of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs.

C. Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other nonmotorized transportation users.

2) The safe routes to school (SRTS) program eligible projects and activities listed at section 1404(f) of the SAFETEA-LU:

A. Infrastructure-related projects

http://www.fhwa.dot.gov/environment/safe_routes_to_school/guidance/#toc123542197

B. Noninfrastructure-related activities (There is a separate MAG application for non-infrastructure SRTS)

http://www.fhwa.dot.gov/environment/safe_routes_to_school/guidance/#toc123542199

Eligible Project Sponsors

MAG has determined that, in order to qualify for MAG TA funding, any project application MUST be submitted by a MAG Member agency. Eligible entities who are not MAG Member Agencies may partner with a MAG Member Agency to submit a project, but the MAG Member Agency must be the primary project applicant.

Under 23 U.S.C. 213(c)(4)(B), the **Eligible Entities** to receive TAP funds are:

Local governments, regional transportation authorities, transit agencies, natural resource or public land agencies, school districts, local education agencies, or schools, tribal governments, and any other local or regional governmental entity with responsibility for oversight of transportation or recreational trails (other than a metropolitan planning organization or a State agency) that the State determines to be eligible, consistent with the goals of subsection (c) of section 213 of title 23.

State DOTs and MPOs are not eligible entities as defined under 213(c)(4)(B) and therefore are not eligible project sponsors for TAP funds. However, State DOTs and MPOs may partner with an eligible entity project sponsor to carry out a project.

MAG TA PROGRAM GOALS

1. Improve pedestrian and bicyclist accessibility and connectivity on the transportation network.
2. Assist in providing a safe environment for the bicyclists and pedestrians on both the on-street and the off-street transportation networks.
3. Make bicycling and walking to public K-8 schools a safer and more desirable transportation alternative to motorized vehicles.

DEFINITIONS:

- Accessibility:** The ability of transportation infrastructure improvements to provide better access to transit stops, destinations, schools, homes/subdivisions, and employment for people that are walking or biking for all ages and abilities.
- Connectivity:** The ability of transportation infrastructure improvements to link the proposed project to other bike/pedestrian facilities, completing a gap in a bike/pedestrian facility, or a city/town.
- Safety:** Projects that make a street safer by addressing a perceived or observed safety problem, including (but not limited to): high vehicle speed, crashes, striping, intersection crossings, or mid-block crossings.

MAG TA PROGRAM OBJECTIVES

- Fund eligible Transportation Enhancement and Safe Routes to School (SRTS) projects through the federal MAP-21 Transportation Alternatives fund.
- Fund bike and pedestrian improvement projects that provide a safe transportation route or improve a transportation route for (K-8) students to schools.
- Fund bike and pedestrian improvement projects that address a perceived or observed problem/safety issue, including (but not limited to) unsafe street crossings; missing, narrow or poorly maintained sidewalks; adding/improving bike lanes (restriping, widening, colored pavement); or disconnected/inaccessible bike or pedestrian facilities, while connecting residents to transit stops/centers or other destinations.
- Fund Safe Routes to School (SRTS) non-infrastructure projects that educate and encourage K-8 students, parents, and school resources officers/staff on bicycle and walking options.
 - o GUIDELINE - Funding will be set aside at 9% of total Transportation Alternatives funding, with a maximum yearly total of \$400,000. If the total value of projects awarded for Safe Routes to School non-infrastructure projects is less than the total programmed set-aside, remaining funds will be applied toward eligible infrastructure projects.
 - o GUIDELINE – These projects will need to evaluate on a quarterly basis as required by the federal government, and address enforcement and encouragement. .
- Utilize evaluative tools based on quantitative and qualitative performance measures to inform project rankings in the application process.

Agencies	YesNo	FacilityTypes
Apache Junction	X	Arterial Road
Avondale		Collector Road
Buckeye		Residential Road
Carefree		Unpaved Road/Path
Cave Creek		Project is Off-Street
Chandler		
El Mirage		
Florence		
Fort McDowell Yavapai Nation		
Fountain Hills		
Gila Bend		
Gila River Indian Community		
Gilbert		
Glendale		
Goodyear		
Guadalupe		
Litchfield Park		
Maricopa, City of		
Maricopa County		
Mesa		
Paradsie Valley		
Peoria		
Phoenix		
Pinal County		
Queen Creek		
Salt River Pima-Maricopa Indian Community		
Scottsdale		
Surprise		
Tempe		
Tolleson		
Valley Metro Rail		
Valley Metro/RPTA		
Wickenburg		
Youngtown		

SpeedLimits	Travellanes	Density	Policies	Years	LocalFunds	FedYears	YN
n/a	n/a	+15 Units	Required	2016	HURF	2021	Yes
					Bond		
15	2	15-5 Units	Recommen	2017	Proceeds	2022	No
					General		
20	3	< 5 Units	Not Addres	2018	Fund		
					Impact		
25	4			2019	Fees		
30	5			2020	Private		
					Property		
35	6				Tax		
40	7				Sales Tax		
45	8				Other		
50	9						
55							

FedClass	Eligible	FedShare Units	Environmental	Agencies
Principal Arterial	TRUE	0.943 LF	Locally Funded	APJ
Minor Arterial	FALSE		Federally Funded	AVN
Major Collector			Advance Constructed	BKY
Local Street				CFE
Not Classified				CVK
				CHN
				ELM
				FLO
				FTM
				FTH
				Gila Bend
				Gila River Indian Communi
				GLB
				GLN
				GDY
				GDL
				LPK
				MAR
				MMA
				MES
				PVY
				PEO
				PHX
				PNL
				QNC
				SRP
				SCT
				SUR
				TMP
				TOL
				VMR
				VMA
				WKN
				YTN

ty

CONGESTION MITIGATION AIR QUALITY (CMAQ) PROGRAM

Federal Eligibility Requirements

Title 23, Section 149 of the United States Code and as implemented in federal regulations provides for a number of eligibility requirements for CMAQ funding. These include the following:

- 1) The project must be located in a nonattainment area or maintenance area for at least one of the following: carbon monoxide, ozone or particulate matter (PM-10 and PM-2.5)
- 2) The project may not add through lane capacity

MAG Requirements for the Current Call for Projects

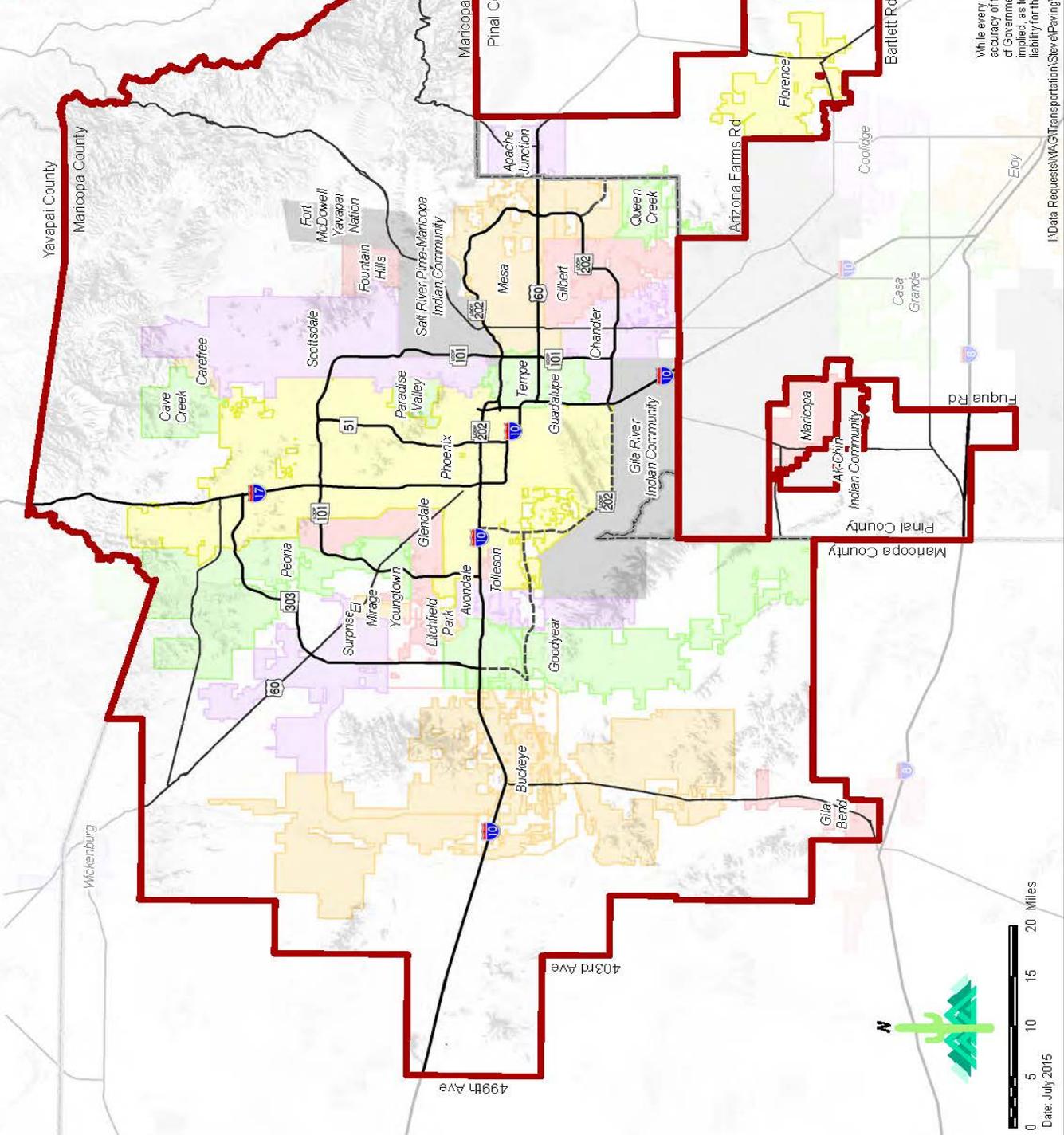
MAG has the following requirements:

- 1) The call for projects in the application is limited to MAG member agencies. Member agencies may sponsor projects on behalf of third parties, but must comply with all applicable State and Federal regulations.



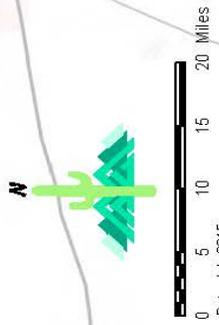
CMAQ Bicycle/Pedestrian and ITS Application Area

- CMAQ Eligible Area *
 - Freeway
 - Planned Freeway
 - Other Highway
 - Indian Community
- * Combines Carbon Monoxide and Ozone Maintenance Areas and PM-10 Nonattainment Areas in the MAG Planning Area, and the West Pinal PM2.5 Nonattainment Area.

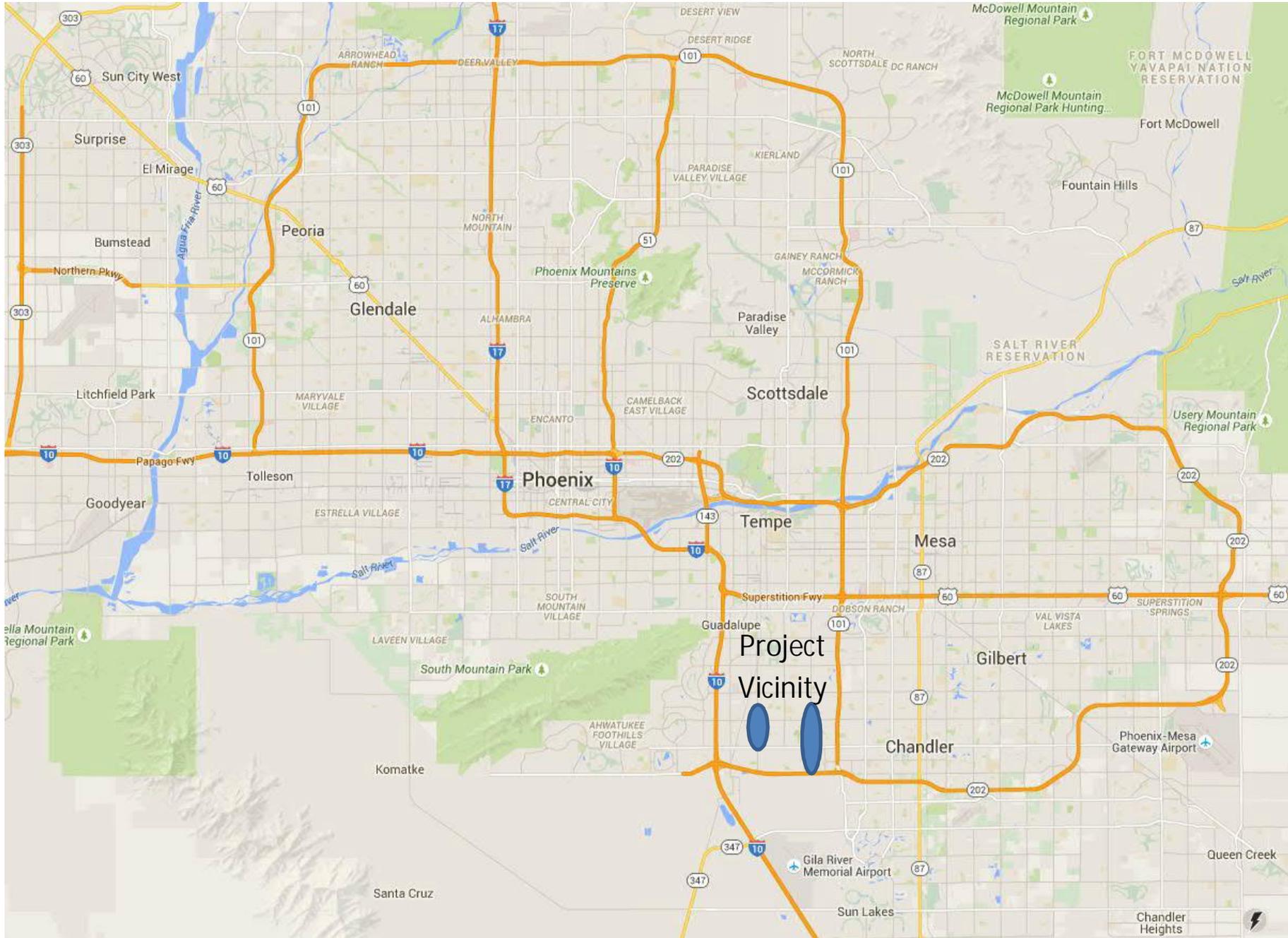


While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

I:\Data Requests\MAG\Transportation\Server\paving\CMAQ_BikePed\ITA\Application-Area.mxd



McClintock Drive/ Kyrene Road Bike Lanes – Vicinity Map



McClintock/ Kyrene Bike Lanes

Project Location Map



56th St.

City of Tempe

City of Tempe

City of Chandler

City of Chandler

Rural Rd.

Ray Rd.

Kyrene Rd.

McClintock Dr.

Chandler Blvd.

Loop 101

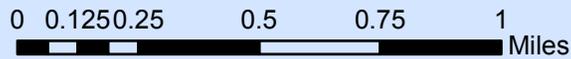
Loop 202



Project Location



Existing Bike Lanes



Southgate Dr.

Attachment 3: Site Photos



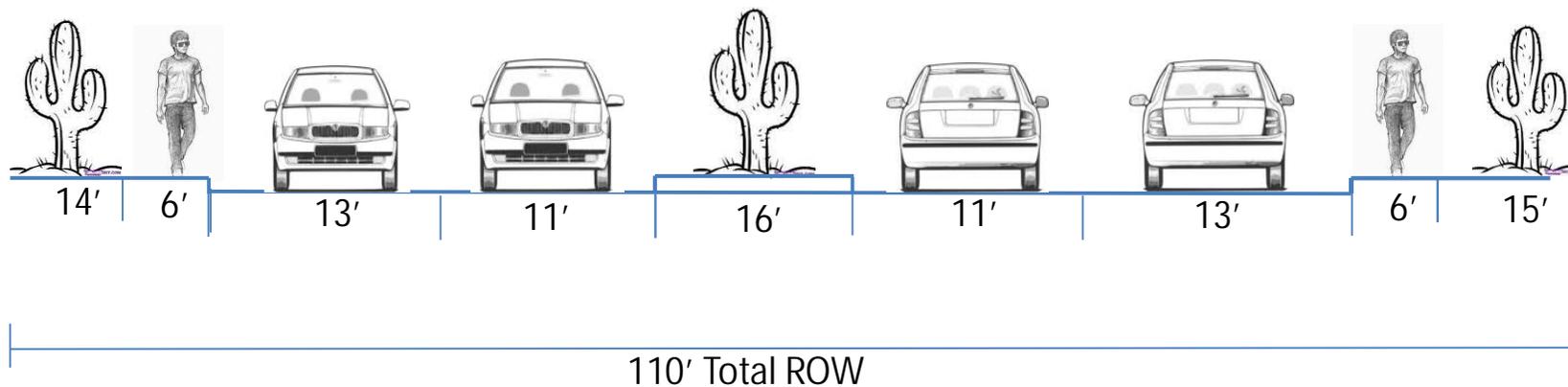


Kyrene Road, north of Ray Road., facing south



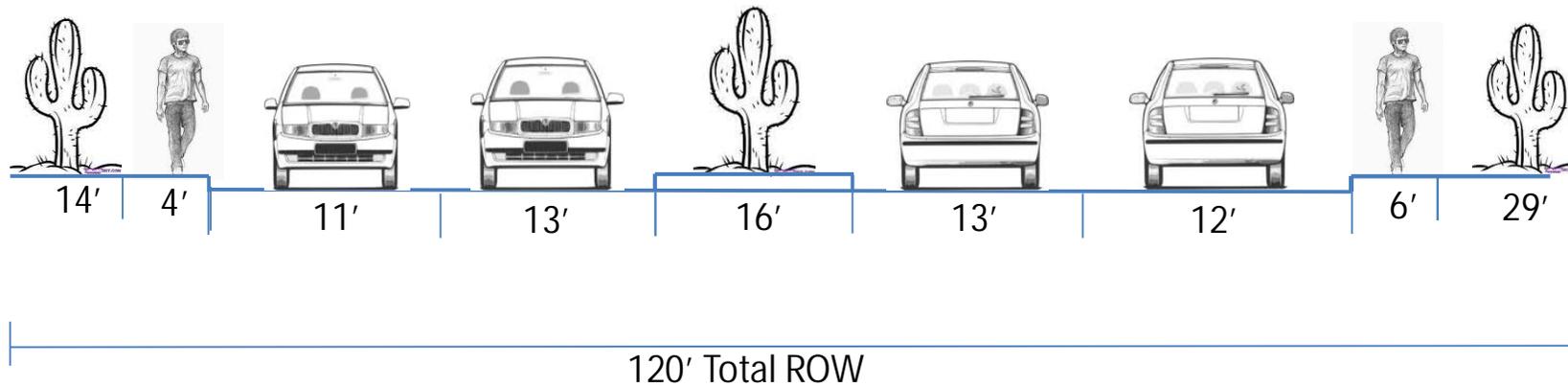
Kyrene Road, south of Ray Road., facing north

McClintock Dr. – Typical Cross Section (North of Chandler Blvd.)



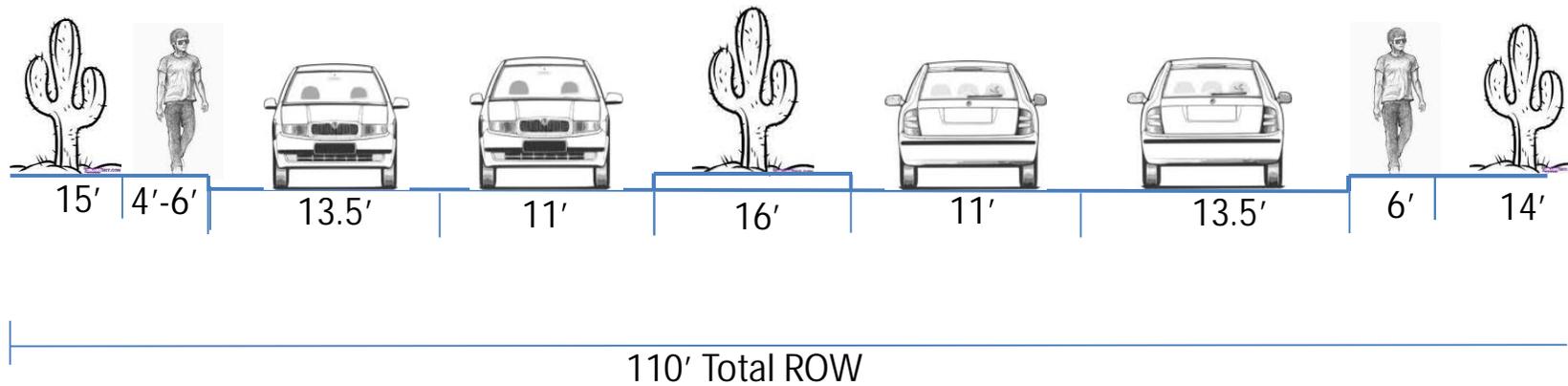
Note: ROW widths and lane widths vary throughout the project area.

McClintock Dr. – Typical Cross Section (South of Chandler Blvd.)



Note: ROW widths and lane widths vary throughout the project area.

Kyrene Rd. – Typical Cross Section



Note: ROW widths and lane widths vary throughout the project area.



City of Tempe
P. O. Box 5002
Tempe, AZ 85281
www.tempe.gov

August 30, 2017

Jason Crampton
Transit Services Coordinator
City of Chandler

RE: McClintock Drive, Kyrene Road Bicycle Lane Projects

Dear Mr. Crampton:

We at the City of Tempe are very supportive of the City of Chandler's proposed project to add bicycle lanes on both McClintock Drive and Kyrene Road from the Tempe/Chandler border south to Loop 202. Although our region is divided by jurisdictional limits, we are all part of one larger regional transportation system. Providing connectivity throughout the region should continue to be a priority for all.

The new bicycle lanes will have a significant benefit for users in both Tempe and Chandler. Bicyclists will be able to travel continuously on McClintock Drive for more than eight miles (Loop 202 to Apache Boulevard) and on Kyrene Road for almost six miles (Loop 202 to Baseline Road). The McClintock and Kyrene corridors also provide access to many east/west bicycle facilities on arterial streets, local streets and shared use paths.

We understand that a small portion of both projects must extend into the City of Tempe in order to provide seamless connections to the existing lane markings, bicycle and vehicular. The City of Tempe is supportive of this and is willing to assist as needed.

We look forward to completion of these important projects that encourage bicycle travel through the construction of safe and efficient facilities.

Sincerely,

City of Tempe

A handwritten signature in black ink that reads "Julian Dresang".

Julian Dresang
City Traffic Engineer

PART F - SIGNATURE AND CHECKLIST

Checklist

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

COVER SHEET	Complete?
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
PART B - Project Description	Complete?
Fields 1 - 14 (Project Description) are complete	Yes
Fields 15 - 17 (Transit) are complete	Yes
Fields 18 – 22 (Attractors and Demographics) are complete	Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete	Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete	Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete	Yes
PART C - Required Attachments	Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.	Yes
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.	Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).	Yes
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.	Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.	No
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.	Yes
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	No
PART D - Cost Estimate Worksheet	Complete?
Sponsoring Agency, Project Title, and Application Date are complete	Yes
Part A - Scoping is complete	Yes
Part B - Final Preliminary Engineering Design is complete	Yes
Part C - Right-of-Way Acquisition is complete	Yes
Part D - Utility Relocation is complete	Yes
Part E - Construction or Implementation is complete	Yes
Parts F, G, and H - Costs are complete and accurate	Yes
PART E - Total Project Schedule and Budget Including All Segment Fields	Complete?
Fields 1 – 7 are complete and costs are accurate	Yes
Field 8 - 10 are complete	Yes
Fields 11 – 15 Years are complete	Yes
Fields 11 – 15 Local Funding Sources are complete	Yes
Fields 11 – 15 Local Costs are complete and accurate	Yes

Field 11 - 15 Federal Costs are complete and accurate	Yes
Field 16 Total Costs are complete and accurate	Yes
PART F - Signature and Checklist	Complete?
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager/administrator or designated representative.	Yes
Name, title and date fields under the signature are completed.	Yes

SIGNATURE(S):

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

Signature:	
Name:	Marsha Reed
Title:	City Manager
Date:	9/19/2017