



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

Eastern Canal Pathway (University Drive to Broadway Road)

City of Mesa

**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)

RESOLUTION NO. 11036

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA, AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION FOR THE CONSTRUCTION OF THE EASTERN CANAL SHARED USE PATH, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SUCH DOCUMENTS AS MAY BE NECESSARY TO EVIDENCE AND IMPLEMENT THE GRANT IF AWARDED.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, AS FOLLOWS:

Section 1: That the City of Mesa does hereby approve the submittal of an application for the Grant, and accept all conditions of the Arizona Department of Transportation, Transportation Enhancement Grant, if awarded to the City, including without limitation, the requirement that the City pay all cost in excess of the amount of the Grant, provide matching funds equal to 5.7% of the Grant award (as may be amended or modified from time-to-time), prepare the project for bid and authorize the project for construction within the federal aid fiscal year where the grant is programmed, and agree to maintain the project in perpetuity after its completion.

Section 2: That the City Manager or his designee is hereby authorized to take such actions and to execute such documents as are necessary or appropriate to effectuate the purposes of this Resolution and to implement the Grant, if awarded to the City of Mesa.

PASSED AND ADOPTED by the City Council of the City of Mesa, Maricopa County, Arizona, this 18th day of September, 2017.

APPROVED:

Mayor



ATTEST:


City Clerk



Mesa: Eastern Canal Pathway (University to Broadway)

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

1. Name of Sponsoring Agency	Mesa
2. Agency Contact Name	Maria Angelica Deeb
3. Phone Number of Agency Contact	(480) 644-2845
4. E-Mail Address of Agency Contact	mariaangelica.deeb@mesaaz.gov
5. Mailing Address of Agency Contact	300 E 6th Street, PO Box 1466 Mesa Arizona 85211-1466

Project Description

6. Please provide the Project Title.	Eastern Canal Pathway (University to Broadway)
7. Please provide a concise, specific description of the project (250 character limit):	<p>The Eastern Canal project will design and construct a shared-use pathway along the Eastern Canal corridor from University Drive to Broadway Road connecting residential and business areas as well as providing a safe lit recreational pathway for users. The pathway is located in the vicinity of a residential area mostly composed of RV resorts, mobile home associations and is within a mile to Taylor Junior High School and some minor neighborhood parks. The pathway, when constructed will increase the connectivity of such residents to recreational facilities and schools. In addition, the pathway will provide connectivity between other Mesa pathways and bicycle infrastructures thus making this a significant project. The pathway will be located within the Eastern Canal right-of-way. The Eastern Canal project will design and construct 1.2 miles of shared-use pathway that is 12-foot-wide, ADA accessible, lighting and a trailhead at pathway and arterial roads intersections resolving a final missing link in Mesa's non-motorized system.</p>
8. Please provide the project limits:	Shared use path along the Eastern Canal Pathway (University Drive to Broadway Road)

Mesa : Eastern Canal Pathway (University to Broadway)

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 checked="" type="checkbox"/> Signalized Crossing |
| <input checked="" type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input type="checkbox"/> Sidewalk (5' min.) | <input style="width: 400px; height: 20px;" type="text"/> |
| <input type="checkbox"/> Planning Study | |

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

- | | |
|---|---|
| <input type="checkbox"/> Bridge (overpass) | Other: |
| <input type="checkbox"/> Tunnel (underpass) | <input style="width: 400px; height: 20px;" type="text" value="Lighting and a trailhead at path and arterial roads intersections."/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input checked="" type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|--|---|
| <input type="checkbox"/> 0 Number of Bike racks/lockers | <input checked="" type="checkbox"/> 2 Number of Seating/Rest Area(s) |
| <input type="checkbox"/> 0 Number of Drinking Fountains | <input checked="" type="checkbox"/> 3 Number of bicycle/pedestrian counting devices |
| <input checked="" type="checkbox"/> 3 Number of Way-finding Signs | <input checked="" type="checkbox"/> 3 Number of bicycle/pedestrian counting devices |
| <input checked="" type="checkbox"/> 10 Number of Trash receptacles | Other: |
| <input checked="" type="checkbox"/> 50 Number of Trees | <input style="width: 400px; height: 20px;" type="text"/> |
| <input type="checkbox"/> Number of new openings in street walls | |
| <input checked="" type="checkbox"/> 1 Number of Shade Structures | |

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

The construction of the Eastern Canal from University Drive to Broadway Road will address an identified medium-high need gap identified in the 2012 Mesa Bicycle master plan. This pathway will provide users connectivity to major arterial roads (at University Drive, Val Vista Drive, Main Street and Broadway Road) and residential and business developments.

Mesa : Eastern Canal Pathway (University to Broadway)

PART B-DETAILED PROJECT DESCRIPTION

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

This project will construct 1.2 miles of shared-use asphalt path that is 12 foot wide, ADA accessible, with lighting and a trailhead at path and arterial roads intersections. This Eastern Canal pathway will begin at University Drive and head south east towards Broadway Road. Way finding signage will be provided near the ends directing shared use pathway users to near by points of interest, numbered bike routes and other Mesa facilities. The bike routes and pedestrian walkways associated major street crossing (at University Drive, Val Vista Drive, Main Street and Broadway Road) would also link into the Eastern Canal corridor. This segment of the corridor, if the right-of-way and environmental constraints allow, is programmed to incorporate a pedestrian node or rest area located in the south east corner of University Drive and the Eastern Canal Trail. This area is programmed to allow users an opportunity to rest and take in the landscape installed along the pathway. This rest area is programmed to incorporate a bench, shade structure, bike rack, and trash can. This project is proposed for consideration in the development of the CIP for FY2018/19 in future years.

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

As of November 2015, The City of Mesa proudly ranks "Silver Status" as a Bicycle Friendly Community by the League of American Bicyclists. The City is constantly increasing its efforts in order to better serve the community with modern innovation in mind and additional infrastructure, and this project will serve this mission. The specific goal is to increase the ridership and activity throughout the City so that residents may benefit from this affordable and healthy forms of transportation. Another finding of this 2016 survey is that cyclists feel most threatened by motorists' behavior and inability to share the roadway, deterring them from commuting by bicycle. This project will solve this treat and provide better and alternative opportunities for the bike and pedestrian community. Also per the survey, it was determined that 81% of Mesa's riders are recreational cyclists while only 19% use their bike for primary uses such as commuting or running errands. This pathway along the Eastern Canal would increase the recreational alternatives in a safe and of the road manner. Many residents are discovering the benefits from riding by utilizing bicycling as a mechanism to exercise, save on costs for transportation, and preserve the environment.

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:

Education in Mesa is a priority. During the bicycle safety education classes the residents are educated on the routes and pathways that they may use, therefore we are providing them with safer alternatives to their mobility

Mesa : Eastern Canal Pathway (University to Broadway)

PART B-DETAILED PROJECT DESCRIPTION

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

This pathway provides an alternative for mobilization in an ADA and lit path for bicyclist and pedestrians that is not along City roads, therefore reducing significantly the conflicts between this modes and vehicles. The pathway traverses 4 arterial roadways, and with this project 3 of such crossings will be enhanced to allow for safer bike and ped crossings.

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

This project will design and construct a shared use concrete path that is 12-foot wide and ADA accessible.

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

The construction of this phase will connect to the Eastern Canal Pathway (CP0673) project from Gilbert Road to University Drive identified in the CIP for FY 2018-2020 for construction in FY19/20. The goal of the project is the construction of a shared-use asphalt path to resolve a missing link in the regional and local non-motorized system.

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

This Phase will contribute to the improvements Mesa wants to construct along the Eastern Canal. It is intended to construct a shared use path along the entirety of the Eastern Canal while in the Mesa planning area.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Identified medium-high need gap identified in the 2012 Mesa Bicycle master plan

Project connects to other local bikeways

List of connected bikeways:

Existing: Bike lanes along University Drive from Stapley to Hawes, and along Broadway Road from Gilbert Road to Power

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

List of Participating Jurisdictions:

SRP

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:

Mesa : Eastern Canal Pathway (University to Broadway)

PART B-DETAILED PROJECT DESCRIPTION

University Drive (route 30) - 30 minutes, Main Street and Broadway Road (route 45) - 30 minutes

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

Within 1/2 mile

List:

Mesa : Eastern Canal Pathway (University to Broadway)

PART B-DETAILED PROJECT DESCRIPTION

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

4 Within 1/2 mile

List:

Pilgrim Lutheran Church, Chelsea Park, Calvary Baptist Church, Mountain View 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:

NE corner of University and Val Vista, SE corner of Eastern Canal and Val Vista and all 4 corners of Main and Eastern canal

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

2 Within 1/2 mile

List:

Taylor Junior High School, Irving 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):

0 Within 1/4 miles

List:

0 1/4 miles to 1/2 miles

List:

Mesa : Eastern Canal Pathway (University to Broadway)

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:

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

Mesa : Eastern Canal Pathway (University to Broadway)

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

Mesa : Eastern Canal Pathway (University to Broadway)

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 checked="" type="checkbox"/>	Canals & Drainage		
<input checked="" type="checkbox"/>	Power Lines & Cables		Other:
<input type="checkbox"/>	Pipelines, Sewer and Water		<input type="text"/>

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

Canal will be protected; the design of the pathway and its alignment will take in consideration the location of the canal and SRP service roads. Gates and lighting will be constructed to comply with their requirements

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other: Mesa's Transportation Plan 2040 and Mesa's Bicycle Plan
<input checked="" 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 checked="" 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="Required"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Required"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="Yes"/>
Complete Streets Policy	<input type="text" value="Yes"/>

34. The project is: (Check one)

<input checked="" type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <input type="text" value="Bicycle Master Plan (2012) and CIP (2018)"/>
<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"/>

Mesa : Eastern Canal Pathway (University to Broadway)

PART B-DETAILED PROJECT DESCRIPTION

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

Bicycle Master Plan (2012) <http://www.mesaaz.gov/transportation/bikemasterplan.aspx> and CIP (2018)

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?

Permanent Eco-Counter Multi will be installed to measure annual trends and counts up to a 15 minute interval that are delivered to the Bicycle and Pedestrian Program Managers Desktop.

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.

This project will include way finding and interpretive aspects that offer educational experience along the path.

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

Yes, the way finding will include 1.Circulation systems elements: The infrastructure that allows people to move around within a space; 2.Spatial cues elements: The observable qualities of a space that help people make sense of their surroundings; and 3.Signage elements: Instructional signs, symbols and iconography to guide people

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		\$0.00	No	\$0.00	\$0.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1		\$0.00	No	\$0.00	\$0.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1		\$0.00	No	\$0.00	\$0.00		
	4. HAZMAT ASSESSMENT	LS	1		\$0.00	No	\$0.00	\$0.00		
	Subtotal Scoping (Part A)					\$0.00		\$0.00	\$0.00	
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$380,000.00	\$380,000.00	No	\$0.00	\$380,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1		\$0.00	No	\$0.00	\$0.00		
	3. DRAINAGE REPORT	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	4. SWPPP	LS	1	\$5,500.00	\$5,500.00	No	\$0.00	\$5,500.00		
	Subtotal PE (Part B)					\$390,500.00		\$0.00	\$390,500.00	
Subtotal Preliminary Engineering (Part A + Part B)					\$390,500.00		\$0.00	\$390,500.00		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1		\$0.00	No	\$0.00	\$0.00		
Subtotal Right-of-Way Acquisition (Part C)					\$0.00		\$0.00	\$0.00		
D. Utility Relocation	1. Utility Relocation	LS	1	\$250,000.00	\$250,000.00	No	\$0.00	\$250,000.00		
Subtotal Utility Relocation (Part D)					\$250,000.00		\$0.00	\$250,000.00		
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	\$65,000.00	\$65,000.00	Yes	\$61,295.00	\$3,705.00
		Site Preparation		LS	1	\$50,000.00	\$50,000.00	Yes	\$47,150.00	\$2,850.00
		Demolition	Sawcut	LF	50	\$25.00	\$1,250.00	Yes	\$1,178.75	\$71.25
			Remove Structures and Obstructions	LS	6	\$10,000.00	\$60,000.00	Yes	\$56,580.00	\$3,420.00
			Remove Fencing	LF	0	\$10.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Asphaltic Concrete Pavement	CY	135	\$12.00	\$1,620.00	Yes	\$1,527.66	\$92.34
			Remove Concrete Sidewalks, Slabs	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Hazmat Abatement		LS	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	0	\$40.00	\$0.00	Yes	\$0.00	\$0.00
		Earthwork	General Excavation	CY	511	\$10.00	\$5,110.00	Yes	\$4,818.73	\$291.27
			Drainage Excavation	CY	706	\$9.00	\$6,354.00	Yes	\$5,991.82	\$362.18
			Structural Excavation	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)	CY	195	\$20.00	\$3,900.00	Yes	\$3,677.70	\$222.30
		Curb & Gutter		LF	70	\$20.00	\$1,400.00	Yes	\$1,320.20	\$79.80
		Aggregate Base		CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pathway Or Sidewalk Materials	Concrete	SY	500	\$20.00	\$10,000.00	Yes	\$9,430.00	\$570.00
			Colored Concrete	SF	0	\$22.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	SY	500	\$15.00	\$7,500.00	Yes	\$7,072.50	\$427.50
Crosswalk Enhancement	Polymer or Resin Stabilized Surface	CY	25,344	\$5.00	\$126,720.00	Yes	\$119,496.96	\$7,223.04		
	Concrete Pavers	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	Stamped Asphalt	SF	50	\$28.00	\$1,400.00	Yes	\$1,320.20	\$79.80		
	Stamped Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Integral Color Concrete		SF	0	\$21.00	\$0.00	Yes	\$0.00	\$0.00		
Pedestrian ADA Ramp		SF	250	\$25.00	\$6,250.00	Yes	\$5,893.75	\$356.25		
Culvert Extensions		LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Pedestrian Lighting Including Conduit And Trenching		Each	80	\$4,500.00	\$360,000.00	Yes	\$339,480.00	\$20,520.00		

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)	
	Handrail	Standard	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Decorative	LF	0	\$75.00	\$0.00	Yes	\$0.00	\$0.00	
	Subtotal Hardscape Construction				\$706,504.00		\$666,233.27	\$40,270.73		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Requirements	Each	3	\$25,000.00	\$75,000.00	Yes	\$70,725.00	\$4,275.00	
		Trees (15 Gallon Size)	Each	25	\$5,000.00	\$125,000.00	Yes	\$117,875.00	\$7,125.00	
		Trees (5 Gallon Size)	Each	25	\$1,250.00	\$31,250.00	Yes	\$29,468.75	\$1,781.25	
		Shrubs (5 Gallon Size)	Each	0	\$500.00	\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (1 Gallon Size)	Each	0	\$250.00	\$0.00	Yes	\$0.00	\$0.00	
		Cactus (5 Gallon Size)	Each	0	\$85.00	\$0.00	Yes	\$0.00	\$0.00	
		Mulch	Decomposed Granite	CY	75	\$35.00	\$2,625	Yes	\$2,475	\$150
			Organic	CY	90	\$20.00	\$1,800	Yes	\$1,697	\$103
		Topsoil		CY	475	\$10.00	\$4,750	Yes	\$4,479	\$271
		Seeding		Acre	205	\$40.00	\$8,200	Yes	\$7,733	\$467
		Turf Sod		SY	784	\$82.00	\$64,288	Yes	\$60,624	\$3,664
		Boulders		Each	0	\$0.00	\$0	Yes	\$0	\$0
		Irrigation System	Drip	SF	0	\$0.00	\$0	Yes	\$0	\$0
			Turf	SF	0	\$2,000.00	\$0	Yes	\$0	\$0
		Sleeving For Irrigation System	Directional Bore	LF	0	\$0.00	\$0	Yes	\$0	\$0
	Cut and Patch		LF	0	\$0.00	\$0	Yes	\$0	\$0	
	Landscape Header Curb		LF	132,335	\$0.40	\$52,934	Yes	\$49,917	\$3,017	
	Landscape Establishment		LS	80,000	\$0.00	\$0	Yes	\$0	\$0	
	Subtotal Landscaping & Irrigation Items					\$365,847		\$344,994	\$20,853	
	3. Site Furnishings	Benches		Each	9	\$5,000.00	\$45,000	Yes	\$42,435	\$2,565
		Seatwalls		LF	0	\$12.00	\$0	Yes	\$0	\$0
		Bike Racks		Each	0	\$10,500.00	\$0	Yes	\$0	\$0
		Trash Receptacles		Each	10	\$200.00	\$2,000	Yes	\$1,886	\$114
		Drinking Fountains		Each	0	\$1,500.00	\$0	Yes	\$0	\$0
		Signage (Standard Traffic Control)		Each	10	\$6,000.00	\$60,000	Yes	\$56,580	\$3,420
Signage (Wayfinding)			Each	9	\$15,000.00	\$135,000	Yes	\$127,305	\$7,695	
Tree Grates			Each	10	\$125.00	\$1,250	Yes	\$1,179	\$71	
Subtotal Site Furnishings					\$243,250		\$228,206	\$13,794		
4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter		Each	3		\$0	Yes	\$0	\$0	
	Strutures, Pedestrain Bridges (two)		LS	0	\$3,265,000	\$0	Yes	\$0	\$0	
	Seating/Nodes		Each	1	\$45,000	\$45,000	Yes	\$42,435	\$2,565	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
	Sutotal Other Construction					\$45,000		\$42,435	\$2,565	
5. Mobilization And Administration Costs	Contractor Mobilization		LS	1	\$90,000	\$90,000	No	\$0	\$90,000	
	Traffic Control		LS	1	\$120,000	\$120,000	Yes	\$113,160	\$6,840	
	Construction Survey & Layout		LS	1	\$10,000	\$10,000	Yes	\$9,430	\$570	
	Construction Contingencies		LS	1	\$280,000	\$280,000	Yes	\$264,040	\$15,960	
	Construction Administration		LS	1	\$160,000	\$160,000	Yes	\$150,880	\$9,120	
Subtotal Mobilization & Administration Costs					\$660,000		\$537,510	\$122,490		

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)	
	Subtotal Construction Or Implementation Cost (Part E)				\$2,020,601		\$1,819,378	\$199,973		
F.	Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)				\$2,661,101		\$1,819,378	\$840,473		
G.	Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,0000				\$10,000	No	\$0	\$10,000		
H.	Total Project Cost Including ADOT Fees (Part F + Part G)				\$2,671,101		\$1,819,378	\$850,473		

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	\$390,500	
3. Right of way	\$0	
4. Utilities	\$250,000	
5. Construction	\$2,020,601	
6. Contingency	\$280,000	No more than 20% of Construction Cost
7. Total Cost	\$2,671,101	

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

9. Expected Annual Maintenance Cost 2,800

10. Identify Source of Maintenance Funds 1206A - Highway User Revenue Fund

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)	2020	Design of Multi-use path	Bond Proceeds	\$400,500	Not Available	\$400,500	100.0%
12. Right of way (Optional)	2020		Bond Proceeds	\$0	Not Available	\$0	
13. Utilities (Optional)			Bond Proceeds	\$250,000	Not Available	\$250,000	100.0%
14. Other (Optional)			Bond Proceeds	\$0	Not Available	\$0	
15. Construction	2022	Construction of Mlti-use path	Bond Proceeds	\$201,223	\$1,819,378	\$2,020,601	10.0%
16. Total Costs				\$851,723	\$1,819,378	\$2,671,101	31.9%

PART F - SIGNATURE AND CHECKLIST**Checklist**

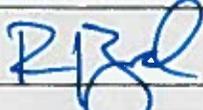
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

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.	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.	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:	RS Zeder
Title:	Transportation Department Director
Date:	9/2/17

Demographic data

Selected Block Groups ACS 2011-2015 ACS 5-Year Estimates

Topic	Estimate	Percent
Gender and Age		
Total Population	19,753	-
Gender		
Male	9,142	46.3%
Female	10,611	53.7%
Age		
Under 5 years	1,235	6.3%
5 to 9 years	1,139	5.8%
10 to 14 years	1,240	6.3%
15 to 19 years	936	4.7%
20 to 24 years	1,241	6.3%
25 to 34 years	2,213	11.2%
35 to 44 years	1,827	9.2%
45 to 54 years	2,154	10.9%
55 to 59 years	1,338	6.8%
60 to 64 years	1,359	6.9%
65 to 74 years	2,648	13.4%
75 to 84 years	1,953	9.9%
85 years and over	470	2.4%
18 years and over	15,666	79.3%
21 years and over	14,943	75.6%
62 years and over	5,962	30.2%
65 years and over	5,071	25.7%
Race and Ethnicity		
Total Population	19,753	-
Hispanic	3,468	17.6%
White, Non-Hispanic	14,236	72.1%
Black, Non-Hispanic	1,129	5.7%
Native American, Non-Hispanic	349	1.8%
Asian, Non-Hispanic	112	0.6%
Pacific Islander, Non-Hispanic	67	0.3%
Other, Non-Hispanic	0	0%
Two or More, Non-Hispanic	392	2.0%
Minority (1)	5,517	27.9%
Educational Attainment		
Population 25 years and over	13,962	-
Less than 9th Grade	552	4.0%
9th to 12th Grade, No Diploma	747	5.4%
High School Graduate (includes equivalency)	3,985	28.5%
Some College, No Degree	4,068	29.1%
Associate Degree	1,196	8.6%
Bachelor's Degree	2,554	18.3%
Graduate or Professional Degree	860	6.2%

Ability to Speak English		
Population 5 years and over	18,518	-
Speak Only English	16,426	88.7%
Speak Other Languages	2,092	11.3%
Speak English "very well"	1,425	-
Persons with Limited English Proficiency (LEP)	667	-
Speak English "well"	270	-
Speak English "not well"	130	-
Speak English "not at all"	267	-
Veterans Status		
Civilian Population 18 years and over	15,657	-
Civilian veterans	2,002	12.8%
Male	1,856	-
Female	146	-
Veterans by Age		
18 to 34 years	83	-
35 to 54 years	256	-
55 to 64 years	387	-
65 to 74 years	575	-
75 years and over	701	-
Households		
Total Households	8,215	-
Family Households (Families)	5,020	61.1%
Married-couple family	3,704	-
Female Householder, no husband present	987	-
with own children under 18 years	596	-
Nonfamily Households	3,195	38.9%
Householder living alone	2,758	-
Household Income (in 2015 inflation-adjusted dollars)		
Total Households	8,215	-
Less than \$10,000	620	7.5%
\$10,000 to \$14,999	626	7.6%
\$15,000 to \$24,999	1,269	15.4%
\$25,000 to \$34,999	950	11.6%
\$35,000 to 49,999	1,311	16.0%
\$50,000 to \$74,999	1,480	18.0%
\$75,000 to \$99,999	776	9.4%
\$100,000 to \$149,999	680	8.3%
\$150,000 to \$199,999	270	3.3%
\$200,000 or more	233	2.8%
Poverty Status in the Past 12 Months		
Persons for whom poverty status is determined	19,464	-
Persons with income below poverty level	2,947	15.1%
Persons with income below 150% of poverty level	5,359	27.5%
Persons with income below 200% of poverty level	7,580	38.9%

Poverty Status for Families in the Past 12 Months

Total Families	5,020	-
Families with income below poverty level	608	12.1%
Married-couple family	309	-
with related children under 18 years	129	-
Female householder, no husband present	239	-
with related children under 18 years	203	-
Male householder, no wife present	60	-
with related children under 18 years	29	-

Commuting to Work

Workers 16 years and over	7,920	-
Car or Truck - drive alone	5,908	74.6%
Car or Truck - carpool	1,036	13.1%
Public Transportation	316	4.0%
Bicycle	85	1.1%
Walked	135	1.7%
Other means (taxicab, motorcycle, etc.)	133	1.7%
Work at home	307	3.9%

Occupation

Civilian employed population 16 years and over	8,083	-
Management, business, science, and arts occupations	2,367	29.3%
Management, business, and financial occupations	920	-
Management occupations	615	-
Business and financial operations occupations	305	-
Computer, engineering, and science occupations	308	-
Computer and mathematical occupations	144	-
Architecture and engineering occupations	148	-
Life, physical, and social science occupations	16	-
Education, legal, community service, arts, and media occupations	721	-
Community and social service occupations	116	-
Legal occupations	66	-
Education, training, and library occupations	436	-
Arts, design, entertainment, sports, and media occupations	103	-
Healthcare practitioners and technical occupations	418	-
Health diagnosing and treating practitioners and other health diagnosing and treating practitioners	229	-
Health technologists and technicians	189	-
Service occupations	1,685	20.8%
Healthcare support occupations	307	-
Protective service occupations	181	-
Firefighting and prevention, and other protective and related occupations	141	-
Law enforcement workers including supervisors	40	-
Food preparation and serving related occupations	360	-
Building and grounds cleaning and maintenance occupations	406	-
Personal care and service occupations	431	-
Sales and office occupations	2,624	32.5%
Sales and related occupations	998	-
Office and administrative support occupations	1,626	-

Natural resources, construction, and maintenance	544	6.7%
Farming, fishing, and forestry occupations	0	-
Construction and extraction occupations	268	-
Installation, maintenance, and repair occupation	276	-
Production, transportation, and material moving c	863	10.7%
Production occupations	429	-
Transportation occupations	327	-
Material moving occupations	107	-

Housing

Total Housing Units	10,081	-
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Units in Structure

1, detached	3,461	34.3%
1, attached	696	6.9%
2 to 9	1,222	12.1%
10 or more	1,451	14.4%
Mobile Home	3,115	30.9%
Boat, RV, van, etc.	136	1.3%

Occupancy, Tenure, Value, and Rent

Occupied Housing Units	8,215	-
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Owner Occupied Housing Units	5,108	62.2%
Renter Occupied Housing Units	3,107	37.8%
Median Rent (dollars)	\$ 9,827	-
Vacant Housing Units	1,866	18.5%
For seasonal, recreational, or occasional use	1,248	-
All other vacant	618	-

Vehicles Available

Occupied Housing Units	8,215	-
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No vehicle available	711	8.7%
1 vehicle available	4,272	52.0%
2 vehicles available	2,332	28.4%
3 or more vehicles available	900	11.0%

Area

Total Area in Acres	2,006.4	-
Total Area in Square Miles	3.1	-

Source: United States Census Bureau, American Community Survey 2011-2015 5yr

Source: U.S. Census Bureau, 2011-2015 American Community Survey (ACS) 5-Year Estimates. ACS data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate is represented through the use of a margin of error (MOE). In addition to sampling variability, the ACS estimates are subject to nonsampling error. The MOE and effect of nonsampling error is not represented in these tables. Supporting documentation on subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website (www.census.gov/acs) in the Data and Documentation section. Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website (www.census.gov/acs) in the Methodology section. The MOE for individual data elements can be found on the American FactFinder website (factfinder2.census.gov).

Note: Although the ACS produces population, demographic and housing unit estimates, the 2010 Census provides the official counts of the population and housing units for the nation, states, counties, cities and towns. Prepared by: Maricopa

Letters of Support



P.O. Box 52025
Mail Station: PAB246
Phoenix, Arizona 85072-2025
(602) 236-5900
www.srpnet.com

September 11, 2017

Maricopa Association of Governments
302 North 1st Avenue, Suite 300
Phoenix, AZ 85003

Subject: City of Mesa application to Transportation Alternative and Congestion Mitigation and Air Quality Program FY2021 and FY2022 Projects
Eastern Canal: University Drive to Broadway Road

Dear MAG:

I am pleased to provide this letter of support for City of Mesa's application under the Transportation Alternatives (TA) and Congestion Mitigation and Air Quality (CMAQ) Programs. It is my understanding that the TA and CMAQ funding will be utilized to construct a 2.2 mile, 10-foot shared use path and comfort amenities such as lighting, nodes, trailhead signs and way-finding.

SRP fully supports development of the Eastern Canal Pathway and plans to be actively involved in the design review and approval process as well as with utility coordination. We look forward to working with the City of Mesa to implement this project and enhancing regional connectivity.

Please feel free to contact me at (602) 236-5380 or jim.duncan@srpnet.com if I may be of further assistance.

Sincerely,

A handwritten signature in blue ink that reads "Jim Duncan". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jim Duncan
Principal Analyst, Water Engineering

rjr

September 12, 2017

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

Subject: City of Mesa application to Transportation Alternative and Congestion
Mitigation and Air Quality Program FY 2021 and FY2022 Projects
Eastern Canal: University Drive to Broadway Road

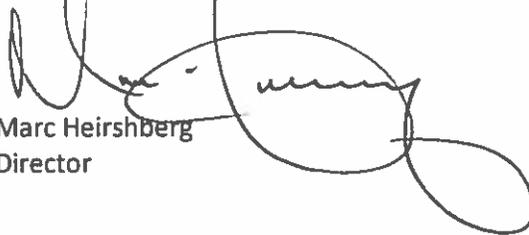
Dear MAG:

I am pleased to provide this letter of support for City of Mesa's application under the Transportation Alternatives (TA) and Congestion Mitigation and Air Quality (CMAQ) Programs. It is my understanding that the TA and CMAQ funding will be utilized to construct a 2.2 mile, 12-foot shared use path and comfort amenities such as lighting, nodes, trailhead signs and way findings along the Eastern Canal (SRP owned) right-of-way.

The Mesa Parks, Recreation and Community Facilities Department fully supports development of the Eastern Canal Pathway and plans to be actively involved in the design review and approval process as well as with utility coordination. We look forward to working with the City of Mesa to implement this project and enhancing regional connectivity.

Please feel free to contact me at (480) 644-2667 or marc.heirshberg@mesaaz.gov if I may be of further assistance.

Sincerely,



Marc Heirshberg
Director

September 7, 2017

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

Subject: City of Mesa application to Transportation Alternative and Congestion Mitigation and Air Quality Program FY 2021 and FY2022 Projects
Eastern Canal: University Drive to Broadway Road

MAG:

I am pleased to provide this letter of support for City of Mesa's application under the Transportation Alternatives (TA) and Congestion Mitigation and Air Quality (CMAQ) Programs. It is my understanding that the TA and CMAQ funding will be utilized to construct a 2.2 mile, 12-foot shared use path and comfort amenities such as lighting, nodes, trailhead signs and way findings along the Eastern Canal (SRP owned) right-of-way.

The Office of Councilmember Jeremy Whittaker (District 2) fully supports development of the Eastern Canal Pathway and plans to be actively involved in the design review and approval process as well as with utility coordination. We look forward to working with the City of Mesa to implement this project and enhancing regional connectivity.

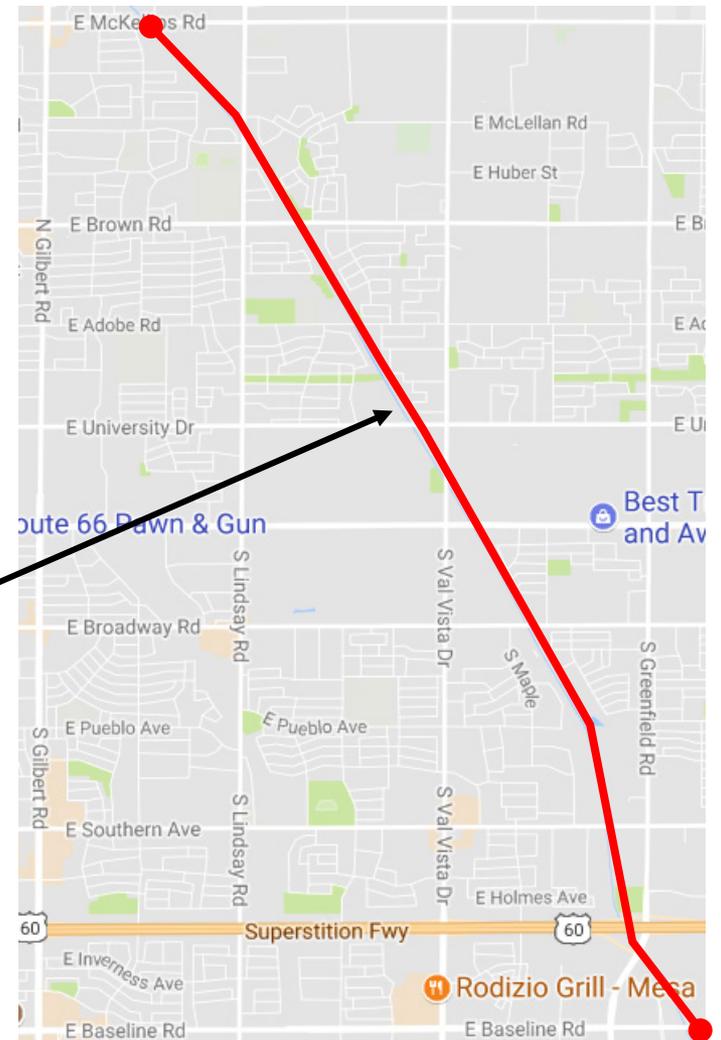
Please feel free to contact me at (480) 644-5292 or Councilmember.Whittaker@mesaaz.gov if I may be of further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeremy Whittaker". The signature is fluid and cursive, with a large initial "J" and "W".

Councilmember Jeremy Whittaker
District 2
City of Mesa

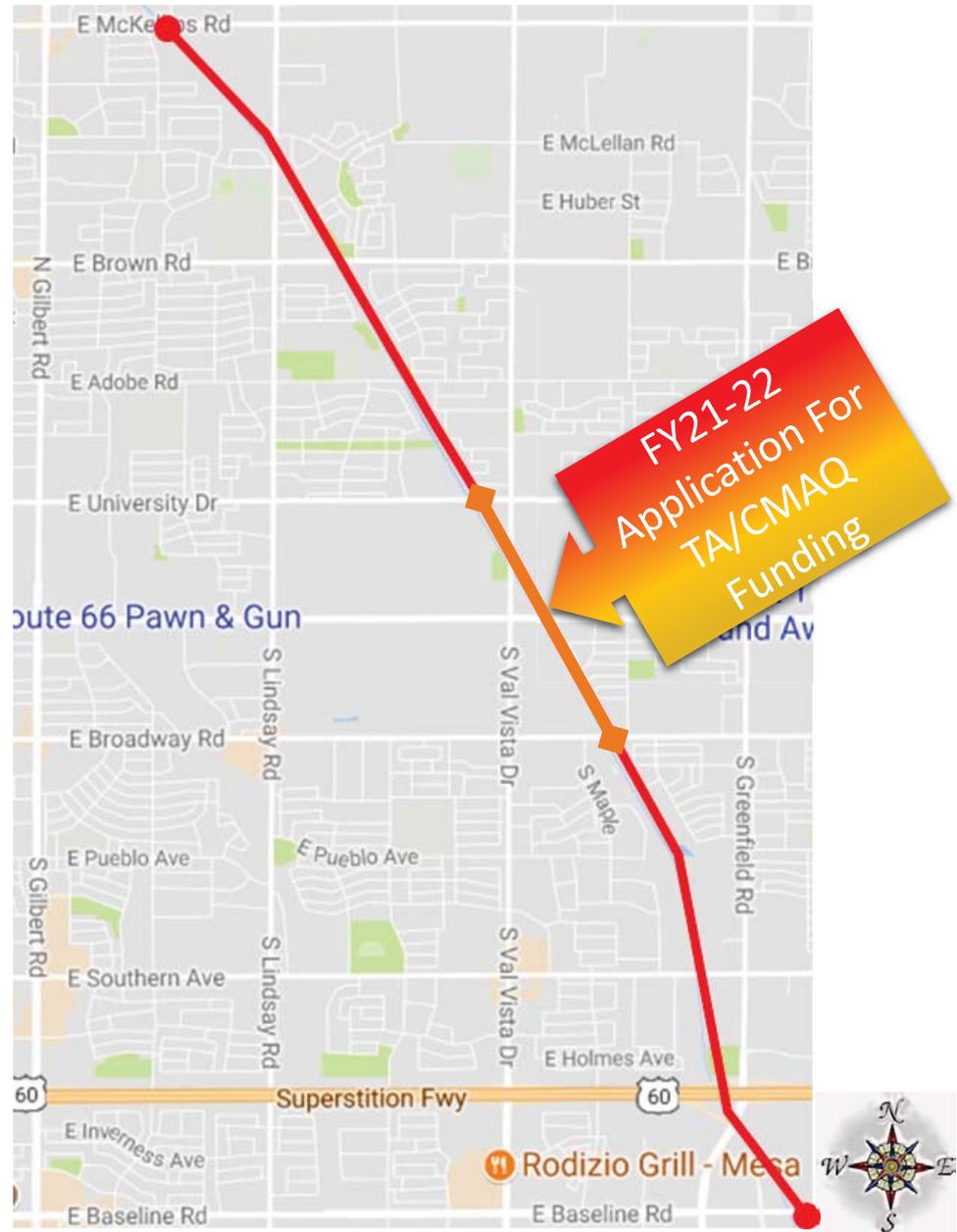
Maps



Eastern Canal Shared Use Pathway



Eastern Canal Shared Use Pathway



Eastern Canal at Southern Avenue



Existing Conditions – Eastern Canal

Eastern Canal at Brown Road



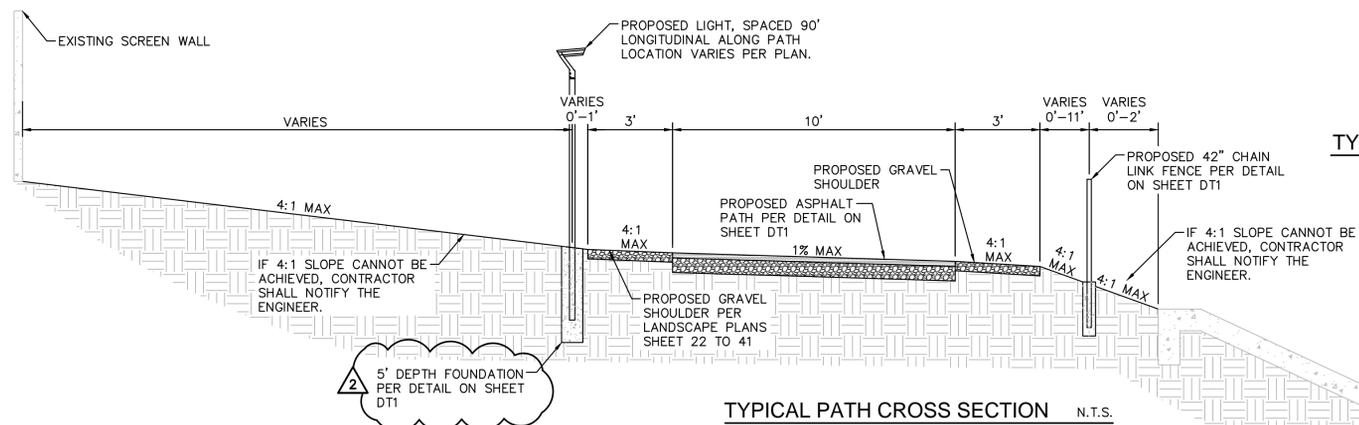
Eastern Canal at Adobe Road



Existing Conditions – Eastern Canal



Eastern Canal at University Dr.



TYPICAL PATH CROSS SECTION N.T.S.

NOTE:
SECTION APPLIES TO THE FOLLOWING SEGMENTS OF PATH:
STA: 200+00.00 TO STA: 146+93.55
STA: 100+00.00 TO STA: 74+36.55
STA: 71+70.69 TO STA: 67+13.17
STA: 55+57.95 TO STA: 53+14.00
STA: 50+84.95 TO STA: 49+52.13

