



**Transportation Alternatives / CMAQ Application for
FY 2018, 2019, and 2020 Projects**

Southeast Pathway (Phase 2): Elliot Road to Hawes Road

City of Mesa

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 21, 2015 at 10:00 a.m.**

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

Mesa: Southeast Pathway (Phase 2): Elliot Road to Hawes Road

PART A - CONTACT AND PROJECT DESCRIPTION	
Contact Information	
1. Name of Sponsoring Agency	Mesa
2. Agency Contact Name	James Hash
3. Phone Number of Agency Contact	480-644-3556
4. E-Mail Address of Agency Contact	James.Hash@Mesaaz.gov
5. Mailing Address of Agency Contact	MS 2000 300 E. Sixth Street P.O. Box 1466 Mesa, Arizona 85211-1466
Project Description	
6. Please provide the Project Title.	Southeast Pathway (Phase 2): Elliot Road to Hawes Road
7. Please provide a concise, specific description of the project (250 character limit):	
<p>This project is Phase 2 of the Southeast Shared Use Path, which begins at the east side of Power Road within the ADOT Loop 202 San Tan Freeway Right of Way (ROW), then extends northeasterly within the ADOT Loop 202 ROW where it will join and cross the RWCD Canal and EMF and then extends along the west-side of the ADOT ROW to Baseline Road. Phase 2 will construct the pathway segment from Elliot to Hawes Roads. Users will have the benefit of a 10-foot shared use path and comfort amenities such as lighting, nodes, trailhead and way finding signs. This project will connect residential and business areas, as well as providing a safe lit recreational pathway for users. The pathway will provide a connection to Gilbert’s San Tan Freeway Trail, Phoenix-Mesa Gateway Airport, new, existing, and future residential and commercial developments along the corridor. In addition, the pathway will provide connectivity between the Mesa, Gilbert, and Maricopa County’s bicycle infrastructure thus making this a regionally significant project. The pathway will be located within the freeway ROW, but away from the travel lanes.</p>	
8. Please provide the project limits:	
Shared-use path along the L202 San Tan Freeway corridor from Elliot to Hawes Roads	

Mesa : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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 checked="" type="checkbox"/> Tunnel (underpass) | <input style="width: 400px; height: 20px;" type="text" value="Guardrails, lighting and a trailhead at path and arterial roads intersections."/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> 2 Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|--|
| <input type="checkbox"/> 2 Number of Bike racks/lockers | <input type="checkbox"/> 2 Number of Seating/Rest Area(s) |
| <input type="checkbox"/> 0 Number of Drinking Fountains | <input type="checkbox"/> 3 Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> 9 Number of Way-finding Signs | <input type="checkbox"/> 3 Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> 9 Number of Trash receptacles | Other: |
| <input type="checkbox"/> 12 Number of Trees | <input style="width: 400px; height: 20px;" type="text"/> |
| <input type="checkbox"/> 0 Number of new openings in street walls | |
| <input type="checkbox"/> 0 Number of Shade Structures | |

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

The construction of the Southeast Shared Use Path extending from Baseline to Power Roads will address an identified medium-high need gap identified in the 2012 Mesa Bicycle master plan. The construction will tie in to the existing and on-going shared use path efforts on the CAP canal and to the existing Town of Gilbert's San Tan Freeway Trail. This pathway will also provide users connectivity to major arterial roads (at Elliot and Warner) and residential and business developments.

Mesa : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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 2.5 miles of shared-use concrete path that is 10 foot wide, ADA accessible, with guardrails, lighting and a trailhead at path and arterial roads intersections resolving a final missing link in the regional non-motorized system. The path will remove the "dead-end barrier" created by the freeway system and allow all users to link to four jurisdictions, four major commercial districts, three entertainment districts and public transportation.

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

This project will serve as an extension/continuation of the existing seven mile San Tan Freeway Trail project that extends through the Town of Gilbert from Lindsay Road to its terminus at Power Road. At Power Road the Southeast Shared Use Path project will connect and extend this existing shared use pathway farther east. These developments and others located within close proximity to the corridor will play a major role in connecting this project to the broader community and region while continuing to develop a regionally connected multi-modal network. The linkage of this project to these major thoroughfares provides another interconnection on to bike lanes and sidewalks that are or will be part of these roadway corridors. The pathway will be located within the freeway right-of-way, but away from the travel lanes.

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

Guardrail or safety barriers as needed.

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

- Yes
- No

Please Explain:

By educating residents on Mesa's bicycle and pedestrian routes and paths, we provide safer alternatives to their mobility.

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 and away from freeway travel lanes, therefore reducing significantly the conflicts between this modes and vehicles.

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

This project will design and construct a shared use asphalt path that is 10-foot wide and ADA accessible.

Mesa : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

PART B-DETAILED PROJECT DESCRIPTION

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

The construction of this phase will connect to Phase 1 of the Southeast Shared Use Path extending from Baseline to Elliot Roads, and provides for a safe crossing at major arterials such as Elliot and Hawes Roads. Between Baseline and Elliot Road the neighborhood located on the east to the L202 Sat Tan Freeway have initiated the planning of the Power line pathway, path that utilized the ROW for the power lines.

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

The Southeast Shared Use Path Project will play a major role in the continued development of the City of Mesa’s multi-modal transportation network. It will initially create a new six mile ten-foot wide shared use pathway project in the East Valley that will be available for use by anyone including, but not limited to: residents, commuters, visitors, and recreational enthusiasts. It will help to facilitate continued development of a linked shared use pathway corridor throughout the East Valley. This project will improve, facilitate, and/or create linkages for shared-use pathway users to existing, and planned residential developments, commercial areas, employment centers, shopping areas as well as the Phoenix-Mesa Gateway Airport and several of the City of Mesa recreational facilities in Council District 6 including Mesa’s public Augusta Ranch and Monterey Parks. In addition, and most importantly, the Mesa Gateway Shared-Use Pathway project will create another vital link to the City of Mesa and the region’s overall recreational shared-use pathway network.

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 Baseline Road (Horne & Meridian Roads) and Gilbert’s Santan Freeway Trail; In design: Southeast Pathway (Phase 1): Baseline to Elliot Roads

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

List of Participating Jurisdictions:

Town of Gilbert, Flood Control District of Maricopa County, Arizona Department of Transportation

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 : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

PART B-DETAILED PROJECT DESCRIPTION

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

Within 1/2 mile

List:

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

Within 1/2 mile

List:

Power line Trail and Gilbert's San Tan Freeway Trail

19. Number of commercial and employment destinations (malls, retail centers, business parks, etc.) this project will benefit (for example, a mall is ONE destination; do NOT count every store in a mall as a separate destination):

Within 1/2 mile

List:

Eastmark Master Plan Community, Phoenix-Mesa Gateway Airport

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

Within 1/2 mile

List:

Canyon Rim Elementary, Boulder Creek Elementary

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

Within 1/2 mile

List:

ASU Polytechnical

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

Within 1/4 miles

List:

Harvest Community Church

1/4 miles to 1/2 miles

List:

Mesa : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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 : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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 : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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

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

Mainline and valves will be protected or moved as needed, which can be determined in the design stage. The design of the pathway and its alignment will take in consideration the location of the main line. Pull boxes will be protected per ADOT standards.

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 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 & Way finding 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) http://www.mesaaz.gov/transportation/bikemasterplan.aspx and CIP (2015)"/>
<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 : Southeast Pathway (Phase 2): Elliot Road to Hawes Road

PART B-DETAILED PROJECT DESCRIPTION

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

Increase in mode share percentages over the next 3 years as well as daily and annual bicycle and pedestrian counting via Eco-Counter.

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 way finding 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

Mesa: Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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:	City of Mesa	Project Title:	Southeast Pathway (Phase 2): Elliot Road to Hawes Road	Application Date:	9/18/2015
---------------------------	--------------	-----------------------	--	--------------------------	-----------

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	\$19,930.00	\$19,930.00	No	\$0.00	\$19,930.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$4,200.00	\$4,200.00	No	\$0.00	\$4,200.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	Subtotal Scoping (Part A)				\$29,130.00	\$29,130.00	\$0.00	\$29,130.00		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$99,685.00	\$99,685.00	No	\$0.00	\$99,685.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$4,000.00	\$4,000.00	No	\$0.00	\$4,000.00		
	3. DRAINAGE REPORT	LS	1	\$3,600.00	\$3,600.00	No	\$0.00	\$3,600.00		
	4. SWPPP	LS	1	\$4,500.00	\$4,500.00	No	\$0.00	\$4,500.00		
	Subtotal PE (Part B)				\$111,785.00	\$0.00	\$111,785.00			
Subtotal Preliminary Engineering (Part A + Part B)					\$140,915.00	\$0.00	\$140,915.00			
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	\$0.00			
D. Utility Relocation	1. Utility Relocation	LS	1	\$30,000.00	\$30,000.00	No	\$0.00	\$30,000.00		
Subtotal Utility Relocation (Part D)					\$30,000.00	\$0.00	\$30,000.00			
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	\$54,000.00	\$54,000.00	Yes	\$50,922.00	\$3,078.00
		Site Preparation		LS	1	\$23,000.00	\$23,000.00	Yes	\$21,689.00	\$1,311.00
		Demolition	Sawcut	LF	50	\$25.00	\$1,250.00	Yes	\$1,178.75	\$71.25
			Remove Structures and Obstructions	LS	6	\$5,000.00	\$30,000.00	Yes	\$28,290.00	\$1,710.00
			Remove Fencing	LF	1,260	\$5.00	\$6,300.00	Yes	\$5,940.90	\$359.10
			Remove Structural Concrete	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Asphaltic Concrete Pavement	CY	135	\$10.00	\$1,350.00	Yes	\$1,273.05	\$76.95
			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	\$7.00	\$4,942.00	Yes	\$4,660.31	\$281.69
			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	SF	35,200	\$12.00	\$422,400.00	Yes	\$398,323.20	\$24,076.80
			Colored Concrete	SF	0	\$15.00	\$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	Ton	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Polymer or Resin Stabilized Surface	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Concrete Pavers	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	SF	50	\$25.00	\$1,250.00	Yes	\$1,178.75	\$71.25
			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	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pedestrian ADA Ramp		SF	250	\$12.00	\$3,000.00	Yes	\$2,829.00	\$171.00
		Culvert Extensions		LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
Pedestrian Lighting Including Conduit And Trenching		Each	60	\$3,000.00	\$180,000.00	Yes	\$169,740.00	\$10,260.00		
Handrail	Standard	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	Decorative	LF	3,000	\$75.00	\$225,000.00	Yes	\$212,175.00	\$12,825.00		
Subtotal Hardscape Construction					\$962,902.00	\$908,016.59	\$54,885.41			

Mesa: Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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:	City of Mesa	Project Title:	Southeast Pathway (Phase 2): Elliot Road to Hawes Road	Application Date:	9/18/2015
---------------------------	--------------	-----------------------	--	--------------------------	-----------

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	3	\$25,000.00	\$75,000.00	Yes	\$70,725.00	\$4,275.00	
		Trees (15 Gallon Size)	Each	6	\$5,000.00	\$30,000.00	Yes	\$28,290.00	\$1,710.00	
		Trees (5 Gallon Size)	Each	3	\$1,250.00	\$3,750.00	Yes	\$3,536.25	\$213.75	
		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	\$2,625.00	Yes	\$2,475	\$150
			Organic	CY	90	\$20.00	\$1,800.00	Yes	\$1,697	\$103
		Topsoil	CY	475	\$10.00	\$4,750.00	Yes	\$4,479	\$271	
		Seeding	Acre	205	\$40.00	\$8,200.00	Yes	\$7,733	\$467	
		Turf Sod	SY	784	\$82.00	\$64,305.08	Yes	\$60,640	\$3,665	
		Boulders	Each	0	\$0.00	\$0.00	Yes	\$0	\$0	
		Irrigation System	Drip	SF	0	\$0.00	\$0.00	Yes	\$0	\$0
			Turf	SF	0	\$2,000.00	\$0.00	Yes	\$0	\$0
		Sleeving For Irrigation System	Directional Bore	LF	0	\$0.00	\$0.00	Yes	\$0	\$0
			Cut and Patch	LF	0	\$0.00	\$0.00	Yes	\$0	\$0
		Landscape Header Curb	LF	132,335	\$0.40	\$52,934.06	Yes	\$49,917	\$3,017	
		Landscape Establishment	LS	0	\$0.00	\$0.00	Yes	\$0	\$0	
		Subtotal Landscaping & Irrigation Items					\$243,364		\$229,492	\$13,872
		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	9	\$10,500.00	\$94,500	Yes	\$89,114	\$5,387	
	Trash Receptacles		Each	9	\$200.00	\$1,800	Yes	\$1,697	\$103	
	Drinking Fountains		Each	0	\$1,500.00	\$0	Yes	\$0	\$0	
	Signage (Standard Traffic Control)		Each	0	\$60,000.00	\$0	Yes	\$0	\$0	
	Signage (Wayfinding)		Each	9	\$15,000.00	\$135,000	Yes	\$127,305	\$7,695	
	Tree Grates		Each	0	\$125.00	\$0	Yes	\$0	\$0	
	Subtotal Site Furnishings					\$276,300		\$260,551	\$15,749	
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)		Bicycle and Pedestrian Counter	Each	3	\$1,200.00	\$3,600	Yes	\$3,395	\$205
		Nodes/Seating areas	Each	2	\$35,000.00	\$70,000	Yes	\$50,000	\$20,000	Some aesthetics included
				0	\$0.00	\$0	Yes	\$0	\$0	
				0	\$0.00	\$0	Yes	\$0	\$0	
				0	\$0.00	\$0	Yes	\$0	\$0	
				0	\$0.00	\$0	Yes	\$0	\$0	
				0	\$0.00	\$0	Yes	\$0	\$0	
				0	\$0.00	\$0	Yes	\$0	\$0	
		Subtotal Other Construction					\$73,600		\$53,395	\$20,205
		5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$92,629.00	\$92,629	Yes	\$87,349	\$5,280
	Traffic Control		LS	1	\$120,000.00	\$120,000	Yes	\$113,160	\$6,840	
	Construction Survey & Layout		LS	1	\$10,000.00	\$10,000	Yes	\$9,430	\$570	
	Construction Contingencies		LS	1	\$231,570.00	\$231,570	Yes	\$218,371	\$13,199	
	Construction Administration		LS	1	\$162,099.00	\$162,099	Yes	\$152,859	\$9,240	
	Subtotal Mobilization & Administration Costs					\$616,298		\$581,169	\$35,129	
	Subtotal Construction Or Implementation Cost (Part E)					1	\$126,480.00	\$2,172,464	\$2,032,624	\$139,840
	F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)					1	\$120,000.00	\$2,343,379	\$2,032,624	\$310,755
G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,0000					1	\$10,000.00	\$10,000	\$0	\$10,000	
H. Total Project Cost Including ADOT Fees (Part F + Part G)					1	\$316,200.00	\$2,353,379	\$2,032,624	\$320,755	
					1	\$221,340.00				

Mesa: Southeast Pathway (Phase 2): Elliot Road to Hawes Road

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	\$140,915	
3. Right of way	\$0	
4. Utilities	\$30,000	
5. Construction	\$2,172,464	
6. Contingency	\$231,570	No more than 20% of Construction Cost
7. Total Cost	\$2,353,379	

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)	2017	Design Multiuse Path	Sales Tax	\$150,915	Not Available	\$150,915	100.0%
12. Right of way (Optional)				\$0	Not Available	\$0	
13. Utilities (Optional)	2018	Utility relocation along Multiuse path	Sales Tax	\$30,000	Not Available	\$30,000	100.0%
14. Other (Optional)				\$0	Not Available	\$0	
15. Construction	2019	Construction of Multiuse Path	Sales Tax	\$139,840	\$2,032,624	\$2,172,464	6.4%
16. Total Costs				\$320,755	\$2,032,624	\$2,353,379	13.6%

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:	Scott J. Butler
Title:	Deputy City Manager
Date:	9/17/15

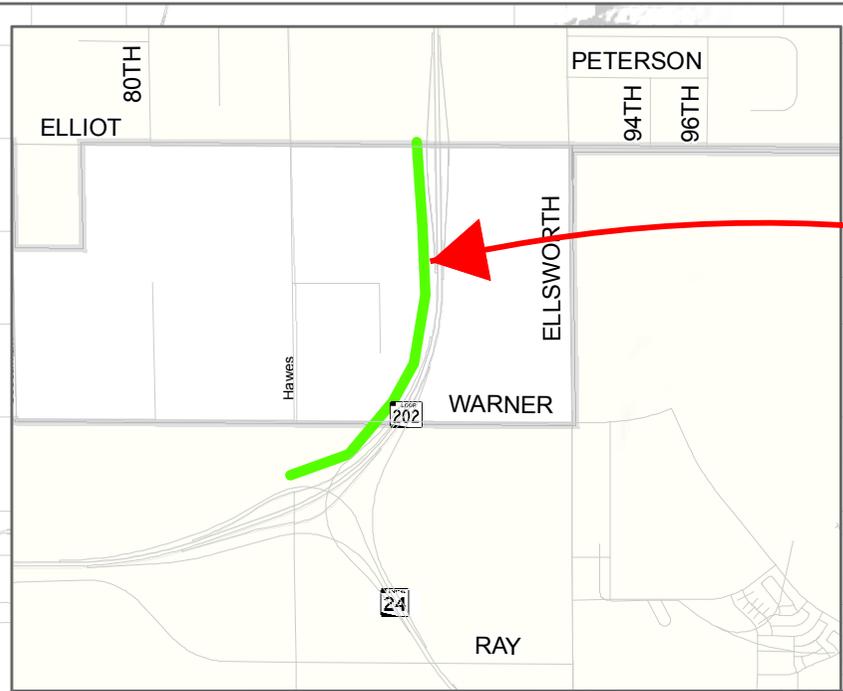
Southeast Mesa Shared Use Pathway Elliot Road to Hawes Road

Fountain Hills

Gilbert

Queen Creek

Chandler

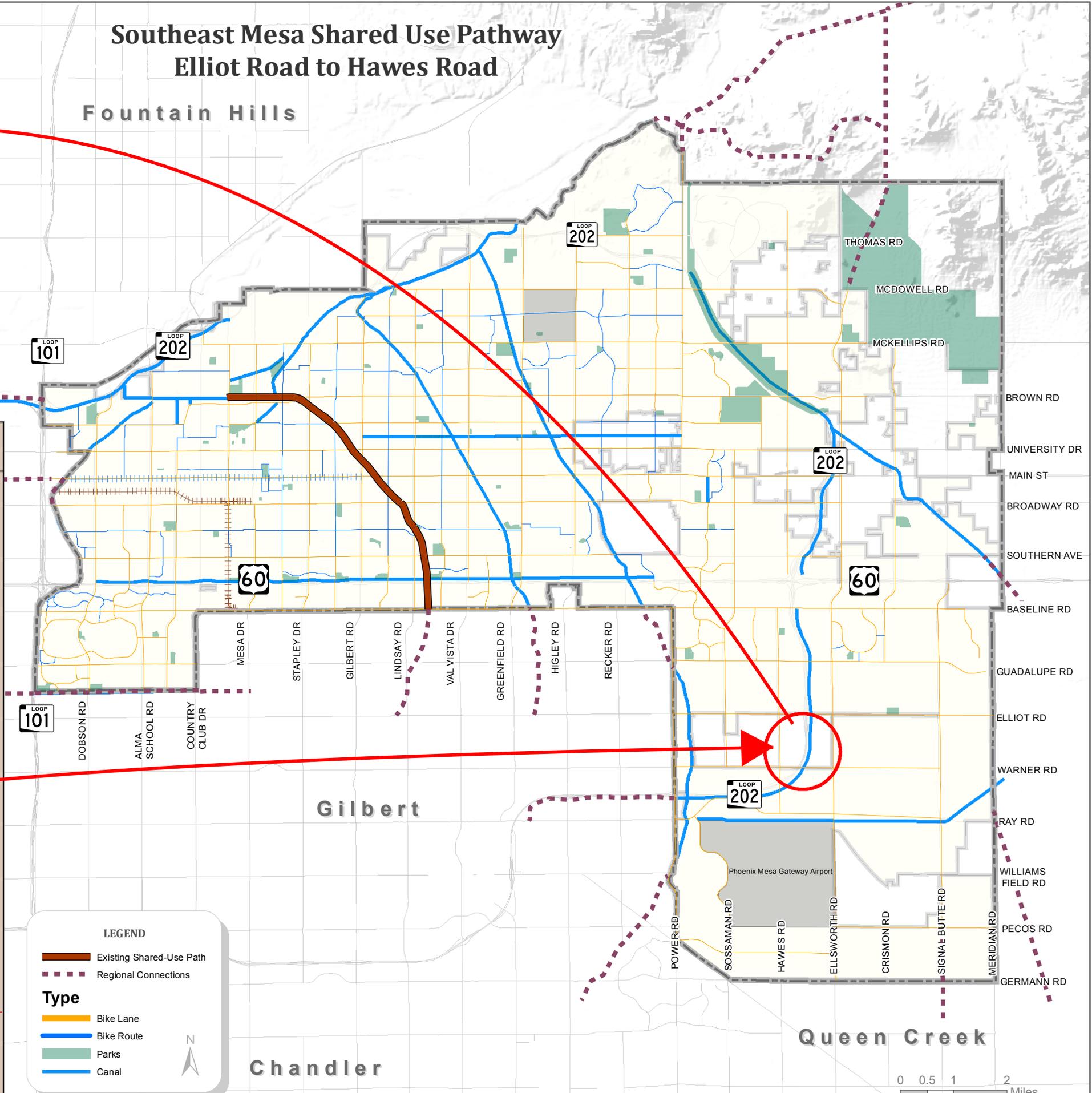


LEGEND

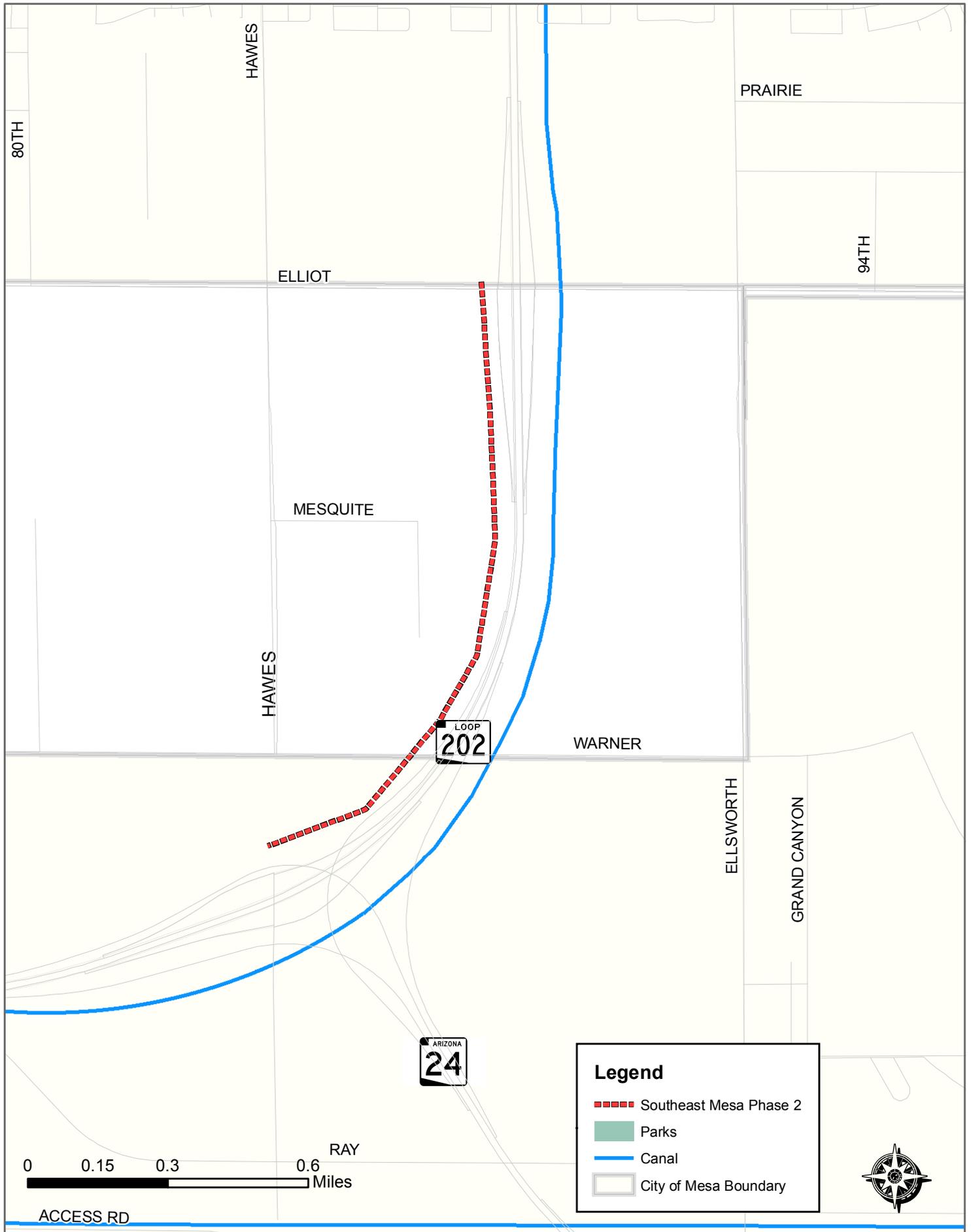
- Existing Shared-Use Path
- Regional Connections

Type

- Bike Lane
- Bike Route
- Parks
- Canal



Southeast Mesa Shared Use Pathway - Elliot Road to Hawes Road





ADOT Right of Way approaching Warner Road



ADOT Right of Way crossing Warner Road



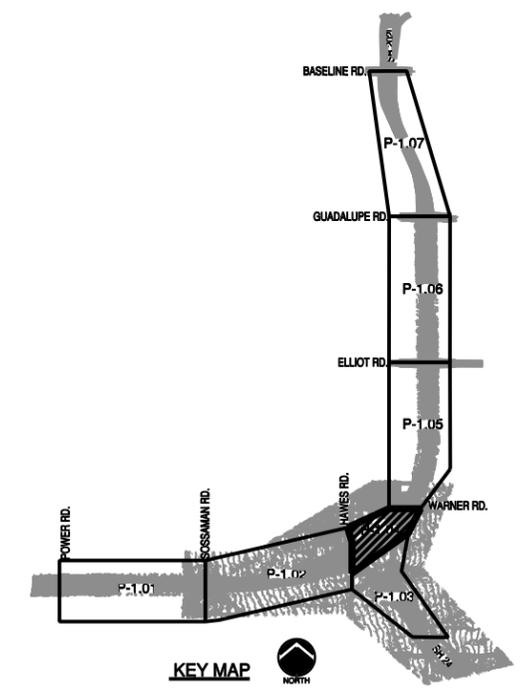
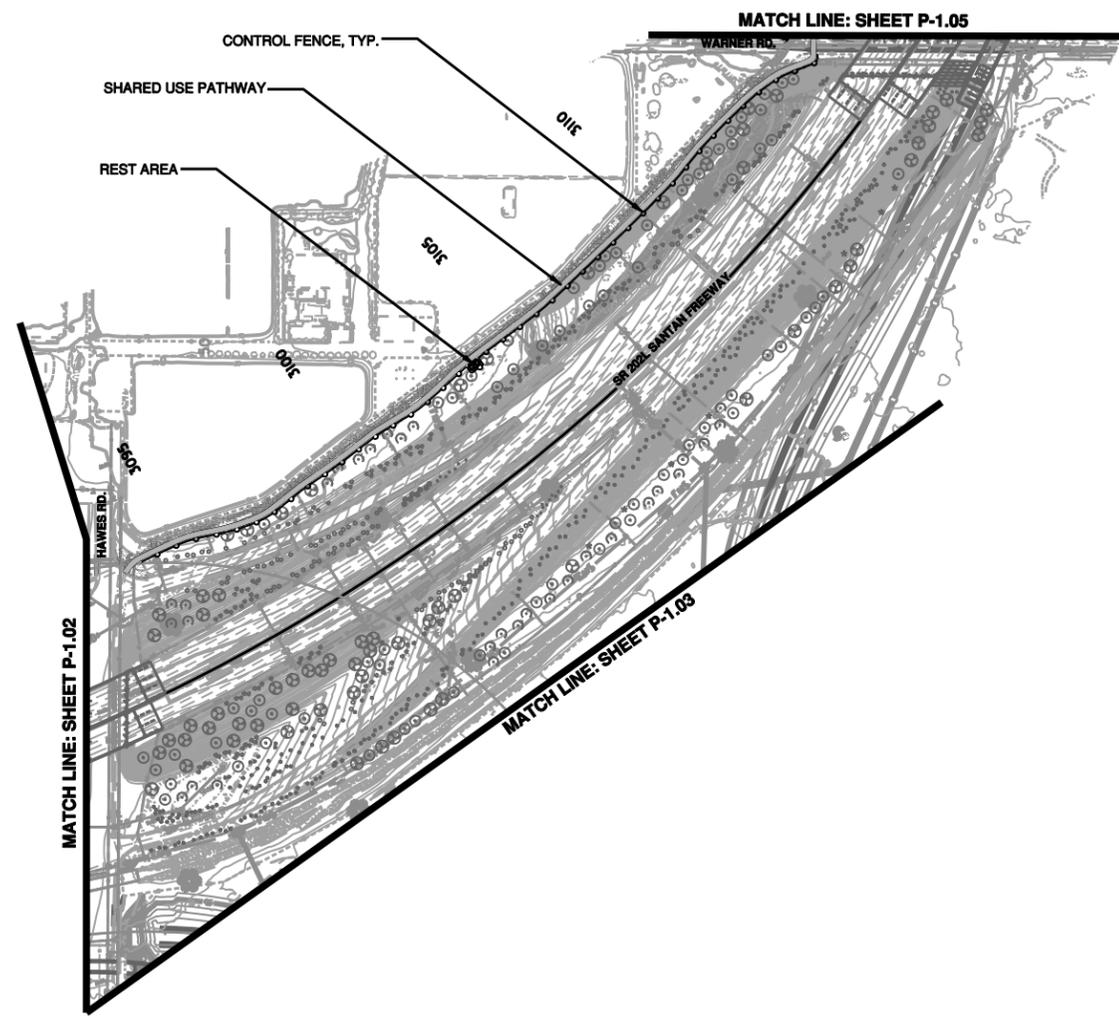
ADOT Right of Way approaching Elliot Road



ADOT Right of Way crossing Elliot Road

LEGEND

 CITY OF MESA MAINTENANCE



 <p>J2 Engineering and Environmental Design 4649 East Cotton Gin Loop, Suite B2 Phoenix, Arizona 85040 Phone: (602) 438-2221 Web: www.j2design.us</p>	<p>CITY OF MESA ENGINEERING DEPARTMENT</p>	
	<p>MESA GATEWAY SHARED USE PATHWAY DESIGN</p>	
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	<p>DESIGNED BY: C. FRANKLIN DRAWN BY: JC CALO APPROVED BY: D. DEWITT</p>	<p>DRAWING NO: P-1.04</p>
	<p>SEGMENT 4: HAWES RD. TO WARNER RD.</p>	<p>CATALOG NUMBER: A-</p>

Call or text two for working days before you begin construction.

ARIZONA 811
Arizona State Utility

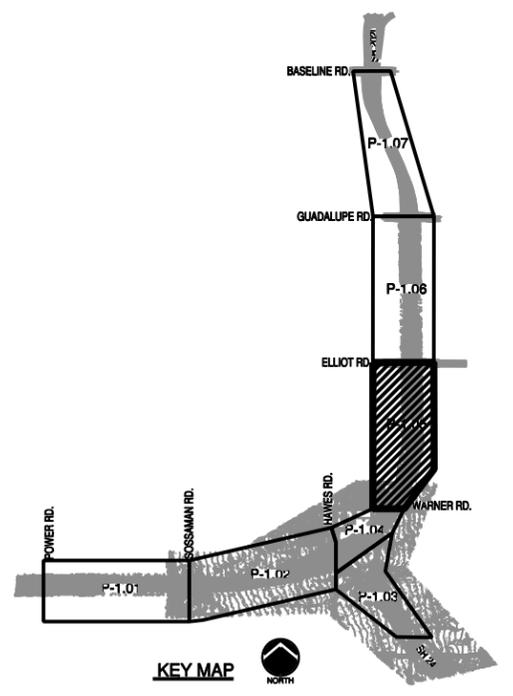
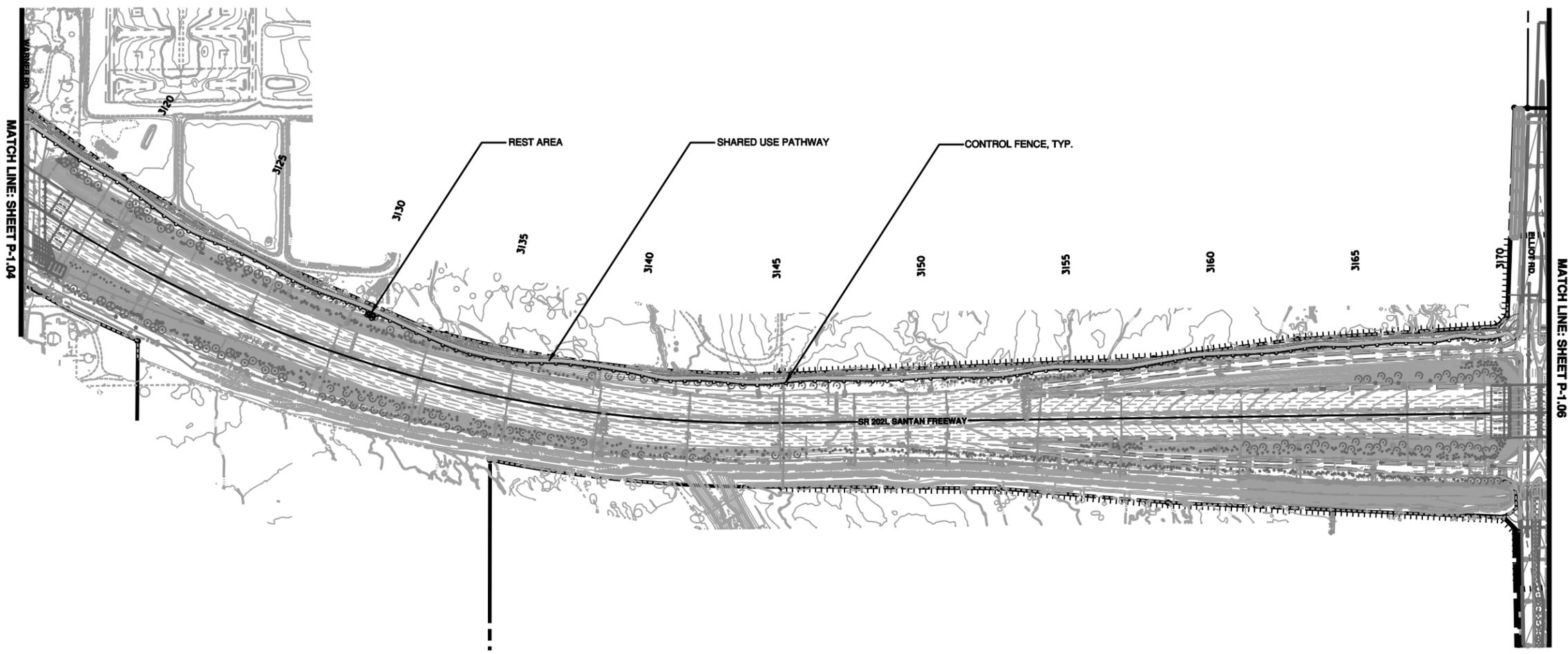
Dist 8-1-1 or 1-800-878-1111 (728-1111)
In Maricopa County: (602) 263-1100

WARNING

OVERHEAD POWER LINES WITHIN PROJECT CONSTRUCTION LIMITS

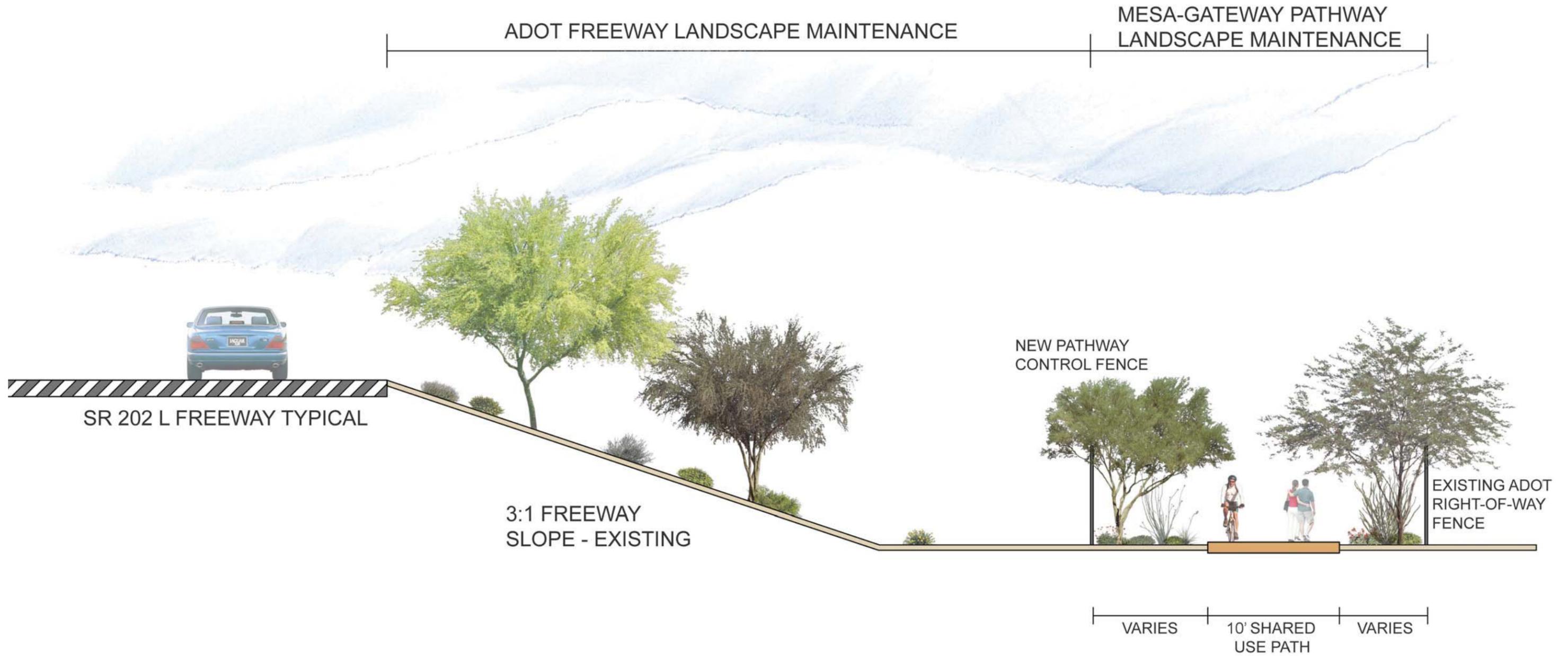
LEGEND

 CITY OF MESA MAINTENANCE



 <p>J2 Engineering and Environmental Design 4649 East Cotton Gin Loop, Suite B2 Phoenix, Arizona 85040 Phone: (602) 438-2221 Web: www.j2design.us</p>	<p>CITY OF MESA ENGINEERING DEPARTMENT</p>	
	<p>MESA GATEWAY SHARED USE PATHWAY DESIGN</p>	
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	<p>DESIGNED BY: C. FRANKLIN DRAWN BY: JC CAJID APPROVED BY: D. DEWITT</p>	<p>DRAWING NO: P-1.05</p>
	<p>SEGMENT 5: WARNER RD. TO ELLIOT RD.</p>	<p>CATALOG NUMBER: A-</p>
<p>SHEET OF</p>	<p>SHEET OF</p>	







September 16, 2015

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 FY 2019 and FY 2020 Projects
Southeast Pathway (Phase 2): Elliot Road to Hawes Road
Southeast Pathway (Phase 3): Hawes Road to Power 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 6-mile, 10-foot shared use path and comfort amenities such as lighting, nodes, trailhead signs and way findings. This path may be within Arizona Department of Transportation's (ADOT) SR 202 Santan Freeway Right of Way, if the design meets with ADOT's approval and is maintained by the City of Mesa.

ADOT Project Management supports the development of the Southeast Pathway and will be actively involved in the design review, utility coordination and approval/permit process as applicable. 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)-712-7646 or RMcCally@azdot.gov if I may be of further assistance.

Sincerely,

Ron McCally, Project Manager
Project Management
1611 West Jackson #EM01
Phoenix AZ 85007
P: 602-712-7646
F: 602-712-3038
azdot.gov





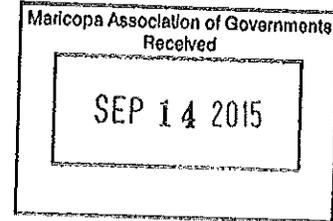
Flood Control District of Maricopa County

www.fcd.maricopa.gov

William D. Wiley, P.E.
Chief Engineer and
General Manager
2801 West Durango Street
Phoenix, Arizona 85009
Phone: 602-506-1501
Fax: 602-506-4601

September 10, 2015

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



RE: City of Mesa application to Transportation Alternative and Congestion Mitigation and Air Quality Program FY 2019 and FY2020 Projects Southeast Pathway (Phase 2): Elliot Road to Hawes Road Southeast Pathway (Phase 3): Hawes Road to Power 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 6 mile, 10-foot shared use path and comfort amenities such as lighting, nodes, trailhead signs and way findings along the Arizona Department of Transportation's (ADOT) Loop 202 San Tan Freeway Right of Way.

Flood Control District of Maricopa County fully supports development of the Southeast Pathway and plans to be actively involved in the design review and approval process as well as with utility coordination for those phases of the pathway that impact Flood Control District rights-of-way. 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 602-506-4701 or williamwiley@mail.maricopa.gov if I may be of further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "William D. Wiley".

William D. Wiley, P.E.
Chief Engineer and General Manager

WDE:pt



200 S Center St Building 1
PO Box 1466
Mesa, Arizona 85211-1466

mesaaz.gov

September 4, 2015

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 2019 and FY2020 Projects
Southeast Pathway (Phase 2): Elliot Road to Hawes Road
Southeast Pathway (Phase 3): Hawes Road to Power Road

To Whom It May Concern:

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 6 mile, 10-foot shared use path and comfort amenities such as lighting, nodes, trailhead signs and way findings along the Arizona Department of Transportation's (ADOT) Loop 202 San Tan Freeway Right of Way.

The Mesa Parks, Recreation and Commercial Facilities Department fully supports development of the Southeast 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 cooperatively with our partners to implement this important project and enhancing regional connectivity.

Please do not hesitate to contact me should you need additional information or if I can be of further assistance at (480) 644-2667 or by email at marc.heirshberg@mesaaz.gov.

Sincerely,

Marc Heirshberg, CPRE
Director
Parks, Recreation and Commercial Facilities

RESOLUTION NO. 10678

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 MESA GATEWAY PHASE 2 SHARED-USE PATH, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SUCH DOCUMENTS AS MAY BE NECESSARY TO EVIDENCE AND IMPLEMENT THE GRANT IF AWARDED.

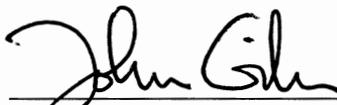
BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, AS FOLLOWS:

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, 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 14th day of September, 2015.

APPROVED:


MAYOR

ATTEST:


CITY CLERK

