



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

**APPLICATIONS ARE DUE AT MAG OFFICES BY  
Monday, September 16, 2019 at 10:00 a.m.**

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

**Mesa: Power Road Shared Use Pathway****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	<a href="mailto:mariaangelica.deeb@mesaaz.gov">mariaangelica.deeb@mesaaz.gov</a>
5. Mailing Address of Agency Contact	P.O Box 1466, Mesa Arizona 85211

**Project Description**

6. Please provide the Project Title.	Power Road Shared Use Pathway
7. Please provide a concise, specific description of the project (250 character limit):	The Power Road Shared Use Pathway will begin at the east side of Power Road within City of Mesa Right of Way at the Power Road Park and Ride. The pathway will then extend northeasterly to the City of Mesa's northern-City- limit. Users will have the benefit of a 15-foot shared use path and comfort amenities such as shade and seating. Improvements to this pathway will create an extension and regional connection to the existing Hawes Loop Trail and the Maricopa Trail. The Power Road Shared Use Pathway will also create a crossing over the Maricopa County Flood Control District FRS offering mobility options for a variety of users including; commuters, Mesa community College students, recreational users, and people wanting to access the Tonto National Forest Recreation Area. The pathway will also provide a connection to Summit Park by providing a safe and enhanced crossing at SR202 and Power Road.
8. Please provide the project limits:	North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Freeway/ Power Road Park and Ride

Mesa : Power Road Shared Use Pathway

**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 checked="" 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 type="text" value="Shade structures, wayfinding , seating and ped. nodes"/> |
| <input type="checkbox"/> Planning Study                          |                                                                                    |

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

- |                                                                 |                      |
|-----------------------------------------------------------------|----------------------|
| <input type="checkbox"/> Bridge (overpass)                      | Other:               |
| <input type="checkbox"/> Tunnel (underpass)                     | <input type="text"/> |
| <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"/> Number of Bike racks/lockers           | <input type="text" value="2"/> Number of Seating/Rest Area(s)                |
| <input type="checkbox"/> Number of Drinking Fountains           | <input type="text" value="3"/> Number of bicycle/pedestrian counting devices |
| <input type="text" value="3"/> Number of Way-finding Signs      | <input type="text"/> Number of bicycle/pedestrian counting devices           |
| <input type="text" value="6"/> Number of Trash receptacles      | Other:                                                                       |
| <input type="checkbox"/> Number of Trees                        | <input type="text"/>                                                         |
| <input type="checkbox"/> Number of new openings in street walls |                                                                              |
| <input type="text" value="3"/> Number of Shade Structures       |                                                                              |

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

Currently Power Road between the Loop 202 Red Mountain Freeway and north City of Mesa's city limit, does not have on street bicycle facilities or sidewalks. Currently there are a very large number of cyclists and hikers that utilize this area to access the Tonto National Forest and the Las Sendas Community. With the addition of the Power Road park and ride a few years ago, there has been an increase of bicycle usage along Power Road by residents wishing to utilize alternate modes of transportation during their daily travels. In response to this addition of transit as well as through public input and analysis conducted as part of the Mesa Bicycle Master Plan that was adopted by Mesa City Council this project has been identified as a significant gap in Mesa's currently multi-modal system. In 2017 the City obtained a Design Assistance Grant which its study is the supporting documentation used for this application.

Mesa : Power Road Shared Use Pathway

**PART B-DETAILED PROJECT DESCRIPTION**

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

By providing shared use path treatments to Power Road these improvements will enhance operating width for cyclists and pedestrians as well as providing them with physical separation from motorized vehicles offering a safer environment for travel. This thoroughfare is heavily used by recreational cyclists traveling north and south through Mesa as well as bicyclists and pedestrians connecting to transit, jobs, and services from nearby neighborhoods.

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

By providing shared use paths, cyclists and pedestrians are protected from potential conflicts with automobiles. Creating a space for each mode of travel reduces the conflicts associated with mixing modes. Bicycling is complementary to transit. Connections to transit stops are important for the usefulness of a transit network, so users must be able to access transit stops by bike. People utilizing transit need to feel that they have safe and convenient routes to get to and from transit. This project will extend the typical catchment area for transit from one-fourth to one-half mile, to two to three miles. Offering off-street facilities for users to travel to and from the transit will increase the user's sense of safety and comfort promoting increased ridership by users that may not normally have access to those services without the use of bicycle facilities extending the catchment area to them.

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:

The City of Mesa conducts bicycle safety classes to school age children and adults alike. Those being educated will know of this facility, once completed. Additionally this pathway will be referenced in Mesa's and MAG's Bike Maps.

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

By providing shared use paths, cyclists and pedestrians are shielded from potential conflicts with automobiles. Creating a space for each mode of travel reduces the conflicts associated with mixing modes.

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

Along with the planning and construction of the shared use bicycle facility, the complete street portion of the project will update all curb ramps and ADA driveway wrap-a-rounds. All facilities will be evaluated for ADA compliancy and necessary improvements will be made.

Mesa : Power Road Shared Use Pathway

**PART B-DETAILED PROJECT DESCRIPTION**

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

By providing shared use path treatments to Power Road these improvements will enhance operating width for cyclists and pedestrians as well as providing them with physical separation from motorized vehicles offering a safer environment for travel. This thoroughfare is heavily used by recreational cyclists traveling north and south through Mesa as well as bicyclists and pedestrians connecting to transit, jobs, and services from nearby neighborhoods. Additionally will provide a connection to Summit Park. This will also connect residents to the Haws Loop Trail.

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

The City of Mesa values its community, its people and landscape. The pathway will be both functional and representative of the values of the City.

14. Connectivity: (Check all that apply)

Project fills a gap in the system  
Explain:

Pathway will be constructed along Power Road between the Loop 202 Red Mountain Freeway and Mesa's city limit. It provides a street bicycle facility and improved sidewalks. Fills gap between north boundary and City path network.

Project connects to other local bikeways  
List of connected bikeways:

Improvements to this pathway will create an extension and regional connection to an existing Maricopa County Hawes Loop Trail and the Maricopa Trail. The Power Road SUP will also create a crossing over the Maricopa County Flood Control District FRS offering mobility options for a variety of users including; commuters, Mesa Community College students, recreational users, and people wishing to access the Tonto National Forest Recreation Area.

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

ADOT, MCDOT, Mesa's Transit and Park Departments

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:

Route 535: Northeast Mesa Express (Weekdays), Route 184 North: Power Road (7 days a week)

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

Within 1/2 mile  
List:

Power Road Park and Ride

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**PART B-DETAILED PROJECT DESCRIPTION**

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

Within 1/2 mile

List:

Red Mountain Park and Ride, Summit Park and Red Mountain 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):

Within 1/2 mile

List:

Power Road south of McDowell is highly commercialized. All four corners of the intersection of McDowell and Power Roads are developed.

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

Within 1/2 mile

List:

Las Sendas Elementary School, Red Mountain Ranch Elementary and Pathfinder Academy

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

Within 1/2 mile

List:

Mesa Community College - Red Mountain campus

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:

LDS Chruch (Preston/Power), Park and Ride (Power), Grocery Stores (Bashas, Albertsons), CVS, Walgreens, Urgent Care, Medical Centers (Dentist, Cardiovascular)

1/4 miles to 1/2 miles

List:

MCC- Red Mountain Campus, Red Mountain Library, Home Depot, Target, Restaurants.

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 left-hand side of the screen, under select "Reports", then select "Custom Geography". Next, click the "Corridor of Interest" button. Left-click to begin drawing. Draw a line through all census block groups adjacent to your project, left-clicking where needed to change the direction of the line. Double-click to finish drawing the line. The selected census block groups will become highlighted in blue. A panel will appear with a report that summarizes the selected block groups. You may export the results to Excel (click the "Export to Excel" button) for your records

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**PART B-DETAILED PROJECT DESCRIPTION**

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:

North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Freeway/ Power Road Park and Ride

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:

Minor Arterial

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

Type of Facility the Improvement will be located on:

Arterial Road

1.8 Length (in Miles)

40 Posted Speed Limit (MPH)

4 Number of Travel Lanes Before Project

4 Number of Travel Lanes After Project

25. Please provide an estimated traffic volume (ADT) on the nearest parallel arterial.

20,573 ADT Estimate

4/18/2017 Date Counted

Name of road the traffic count was taken from

3000N Power: Power Rd between McDowell and Loop 202

Description of Methodology and Source used for the ADT Estimate

Yearly Counts by City of Mesa - performed by Field Data Services of Arizona, Veracity Traffic Group.

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**PART B-DETAILED PROJECT DESCRIPTION**

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.

Proximal buildings and structures within the APE that could be indirectly affected by the construction of the shareduse path are not historic in age. An ADOT Preliminary Initial Site Assessment (PISA) would be conducted concurrently with, and in support of, the CE. The PISA would include a site visit by a qualified hazardous materials specialist, and a review of the hazardous materials database record search. During the design phase, it would be necessary to review the project plans and current asbestos and lead-based paint testing requirements to determine whether sampling and testing for these contaminants would be required. Based on a review of aerial photography and field investigation, no agricultural land is in the project area. A qualified EcoPlan Associates, Inc., biologist reviewed the Arizona Game and Fish Department (AGFD) On-line Environmental Review Tool and the U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Conservation System (IPaC) website on February 10, 2017, to determine whether sensitive species and/or habitats potentially occur in the project area, and to obtain a list of federally protected species with the potential to occur within the project area. Recent aerial photography was also reviewed to identify existing terrain and habitat conditions. The AGFD On-line Environmental Review Tool did not identify any threatened or endangered species as occurring within 2 miles of the project limits. The roundtail chub (*Gila robusta*) is proposed threatened, and was identified within 2 miles of the project limits; however, there is no suitable habitat for this species near the project limits.

27. Current ROW: (Check all that apply)

- |                          |                            |                                     |                                      |
|--------------------------|----------------------------|-------------------------------------|--------------------------------------|
| <input type="checkbox"/> | Agency owns all ROW Needed | <input type="checkbox"/>            | Agency owns easement                 |
| <input type="checkbox"/> | ROW to be acquired         | <input checked="" type="checkbox"/> | Agency has right-of-use (i.e. canal) |
| <input type="checkbox"/> | Owners will donate ROW     | <input type="checkbox"/>            | Condemnation may be required         |

28. Please describe any right of way issues associated with the project.

Mesa owns most of the ROW needed for this off street facility but may need easements from Las Sendas, ADOT and MCDOT. They were initially contacted in 2017 and support the project. The Power Road right-of-way, owned by the City of Mesa except within the limits of the SR-202 interchange, varies in width between roughly 120 feet and 150 feet wide between SR-202 and the north city limits. Even at its narrowest, the right-of-way is wide enough to include the existing sidewalks on both sides of the street (where present). The CAP Canal runs parallel and to the east of Power Road in right-of-way owned by the United States Bureau of Reclamation; its right-of-way is approximately 200 feet wide. The Power Road right-of-way does not directly abut the canal right-of-way. Rather, the land between the two is owned by the Las Sendas Community Association. The width of the Las Sendas-owned land varies between approximately 130 feet and 150 feet wide. Las Sendas property extends from the Park-and-Ride Lot to the north city limits.

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

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

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

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

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**PART B-DETAILED PROJECT DESCRIPTION**

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

No conflicts are anticipated

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

- AASHTO Guide for Bicycle Facilities
- MAG Pedestrian Policies and Design Guidelines
- MAG Complete Streets Guide
- MAG Designing Transit Accessible Communities
- MAG Valley Path Brand & Wayfinding Signage Guidelines
- NACTO Urban Bikeway Design Guide
- RPTA Bus Stop Program and Standards

Other:

City of Mesa design 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:	Recommended
With new development and capital improvement projects, bike lanes on collector streets are:	Recommended
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Required
With new development or during development retrofits, shared-use paths are:	Not Addressed
Bicycle program implemented, including bike education, safety events, and bike maps	Yes
Complete Streets Policy	Yes

34. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)  
List:  
Anticipated to be included in the CIP FY2021 and in the Bond 2020
- Consistent with general policy/practices, but not formally identified (provide source)  
Explain:  
City of Mesa Bike Plan defined this pathway as a high priority for the City.
- Not addressed by jurisdiction's plans, policies, or practices  
Explain:

## Mesa : Power Road Shared Use Pathway

## PART B-DETAILED PROJECT DESCRIPTION

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

Success is measured by: number of people using the facility and reduction (or zero) fatalities and serious injuries of bike/peds in the area. The City will also survey (through its annual survey) the users of this path.

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?

Eco-counters will be included with the project; this has become a City standard. The eco-counters allow the determination of weekly bike and ped traffic, and the hour profile of this traffic. We can also determine the total traffic for a certain period of time, the daily average, the busiest day of the week and the distribution between bike and peds, in and out.

37. Will the project include an education/marketing component upon completion of construction, to publicize the project and increase citizen awareness of the project impact and benefits? If yes, please describe below.

The City of Mesa conducts bike safety classes to school age children and adults alike. Those being educated will know of this facility, once completed. Additionally this pathway will be referenced in Mesa's and MAG's Bike Maps.

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

Yes, Mesa has included in the scope of the project the installation of wayfinding and aesthetic (minimal) features. The wayfinding template follows MAG and NACCTO recommendations.

Mesa : Power Road Shared Use Pathway

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

Mesa : Power Road Shared Use Pathway

PART D - PROJECT COST ESTIMATE WORKSHEET (Cost Estimates Are Required Regardless of Programming)										
PROCUREMENT	REQUESTED PROGRAMMING	Location Description								
		Work Description								
		Funding Source		TA-MAG						
		Preferred Year to Program Work		2024						
	COST ESTIMATE FOR PROCUREMENT			UNITS	QUAN ITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	PROCUREMENT/STUDY COSTS	Place for entering item #1		EA	1			Yes		-
		Place for entering item #2		EA				No		-
		Place for entering item #3		EA				No		-
		Place for entering item #4		EA				No		-
		Place for entering item #5		EA				No		-
		Place for entering item #6		EA				No		-
		Place for entering item #7		EA				No		-
		Place for entering item #8		EA				No		-
		Place for entering item #9		EA				No		-
		Place for entering item #10		EA	1			No		-
		Place for entering item #11		EA				No		-
		Place for entering item #12		EA				No		-
		Place for entering item #13		EA				No		-
		Place for entering item #14		EA				No		-
		Place for entering item #15		EA				No		-
		Place for entering item #16		EA				No		-
Place for entering item #17		EA				No		-		
Place for entering item #18		EA				No		-		
Place for entering item #19		EA				No		-		
Place for entering item #20		EA	1			Yes		-		
TOTAL - PROCUREMENT										
DESIGN	REQUESTED PROGRAMMING (Complete if item will be programmed in the MAG TIP)	Location Description	North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Freeway/ McDowell Road Park and Ride							
		Work Description	Design Shared Use pathway							
		Funding Source	Local							
		Preferred Year to Program Work	2023							
	COST ESTIMATE FOR DESIGN			UNITS	QUAN ITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	PRELIMINARY ENGINEERING (15% plans) (Required for Budget)	Topographic Survey		LS	1	25,000	25,000	No	-	25,000
		Design Concept Report (DCR)		LS	1			No	-	-
		Federal Project Environmental Determination		LS	1	30,000	30,000	No	-	30,000
		HAZMAT Assessment		LS	1	20,000	20,000	No	-	20,000
	SUBTOTAL - PRELIMINARY ENGINEERING COSTS						75,000		-	75,000
	FINAL DESIGN (30, 60, 95, 100% plans) (Required for Budget)	Plans, Specifications, Cost Estimates, Bidding		LS	1	680,000	680,000	No	-	680,000
		Geotechnical Report		LS	1	50,000	50,000	No	-	50,000
		Drainage Report		LS	1	50,000	50,000	No	-	50,000
		SWPPP		LS	1	25,000	25,000	No	-	25,000
SUBTOTAL - FINAL DESIGN COSTS						805,000		-	805,000	
TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING						880,000		-	880,000	
RIGHT OF WAY	REQUESTED PROGRAMMING (Complete only if Right Of Way will be programmed in the MAG TIP)	Location Description	North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Freeway/ McDowell Road Park and Ride							
		Work Description	Acquire ROW for Shared Use Path							
		Funding Source	Local							
		Preferred Year to Program Work	2023							
	COST ESTIMATE FOR RIGHT OF WAY			UNITS	QUAN ITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	RIGHT OF WAY COST (Required for Budget, May be 0 if no ROW)	Appraisals and Title Reports		LS	1	23,000	23,000	No		23,000
		Road Right of Way		LS	1	-	-	No		-
		Temporary Construction Easements		LS	1	18,000	18,000	No		18,000
		Drainage Easement		LS	1	15,000	15,000	No		15,000
		Utility Easements/Right of Way		LS	1	35,000	35,000	No		35,000
		Aerial Electrical Easement		LS	1			No		-
		Sign Relocations		LS	1	28,000	28,000	No		28,000
		Relocation Expenses		LS	1	45,000	45,000	No		45,000
		Site Environmental Assessments		EA	1	22,000	22,000	No		22,000
		Building Demolition		EA	1			No		-
		Other Right of Way Expenses						No		-
		Other Right of Way Expenses			1			No		-
		Other Right of Way Expenses		EA	1	10,000	10,000	No		10,000
		TOTAL - RIGHT OF WAY COSTS						196,000		-

CONSTRUCTION	REQUESTED PROGRAMMING (Complete only if Construction will be programmed in the MAG TIP)	Location Description		North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Freeway/ McDowell Road Park and Ride								
		Work Description		Construct Shared Use Path								
		Funding Source		TA-MAG								
		Preferred Year to Program Work		2024								
COST ESTIMATE FOR CONSTRUCTION				UNITS	QUAN ITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL		
UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities)	Relocate 69 kv (+) Poles		EA	1				-	Yes			
	Relocate/Underground 12 kv lines		LF					-	No			
	Relocate/Underground Irrigation Canal		LF					-	No			
	SWG Relocations		LS	1				-	No			
	Telephone/Cable TV Relocations		LS	1				-	No			
	Utility Relocation		LS	1	35,000		35,000	35,000	Yes	33,005	1,995	
	Drainage Improvements		LS	1	60,000		60,000	60,000	Yes	56,580	3,420	
	Erosion Control		LS	1	35,000		35,000	35,000	Yes	33,005	1,995	
					SUBTOTAL - UTILITY RELOCATION COSTS			130,000		122,590	7,410	
	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	25,000		25,000	25,000	Yes	23,575	1,425
Site Preparation (Survey and Layout)		LS	1	32,500		32,500	32,500	Yes	30,648	1,853		
Demolition			Sawcut	LS	1				-	No		
			Remove Structures and Obstructions	LS	1	35,000		35,000	35,000	Yes	33,005	1,995
			Remove Fencing	LS	1				-	No		
			Remove Structural Concrete	LF					-	No		
			Remove Asphaltic Concrete Pavement	LS	1	732,000		732,000	732,000	Yes	690,276	41,724
Mobilization and demobilization			Remove Concrete Sidewalks, Slabs	SF					-	No		
				LS	1				-	Yes		
				LS	1					-	No	
				LS	1	220,000		220,000	220,000	Yes	207,460	12,540
				LS	1					-	No	
Earthwork			General Excavation	LS	1				-	No		
			Drainage Excavation	LS	1				-	No		
			Structural Excavation	SY					-	No		
			Structural Backfill	SY	19,500	18		351,000	351,000	Yes	330,993	20,007
			Borrow (In Place)	SY					-	No		
Curb & Gutter			LF	1,800	35		63,000	63,000	Yes	59,409	3,591	
Aggregate Base			SY					-	No			
Pathway Or Sidewalk Materials			Concrete	SY	800	90		72,000	72,000	Yes	67,896	4,104
			Colored Concrete	SF					-	No		
			Stamped Color Concrete	SF					-	No		
			Precast Concrete Pavers	SF					-	No		
			Asphaltic Concrete	SY	18,300	40		732,000	732,000	Yes	690,276	41,724
Crosswalk Enhancement			Sidewalk Ramps	EACH	16	4,000		64,000	64,000	Yes	60,352	3,648
			Concrete Pavers	EA					-	No		
			Stamped Asphalt	EA					-	No		
			Stamped Concrete	EA					-	No		
			Concrete	LF					-	No		
Pedestrian ADA Ramp			EA					-	No			
Culvert Extensions		LF					-	No				
Pedestrian Lighting Including Conduit And Trenching		LS	1	200,000		200,000	200,000	Yes	188,600	11,400		
Handrail		Standard	LS	1	40,000		40,000	40,000	Yes	37,720	2,280	
		Decorative	LF					-	No			
				SUBTOTAL HARDSCAPE CONSTRUCTION			2,566,500		2,420,210	146,291		
2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements		EA					-	No			
	Trees (15 Gallon Size)		EA					-	No			
	Trees (5 Gallon Size)		LS	1	255,000		255,000	255,000	No		255,000	
	Shrubs (5 Gallon Size)		EA					-	No			
	Shrubs (1 Gallon Size)		EA					-	No			
	Cactus (5 Gallon Size)		LF					-	No			
	Mulch		Decomposed Granite	LS	1	100,000		100,000	100,000	No		100,000
			Organic	EA					-	No		
	Topsoil		EA					-	No			
	Seeding		EA					-	No			
	Turf Sod		EA					-	No			
	Boulders		LF					-	No			
	Irrigation System		Drip	LF					-	No		
			Turf	LF					-	No		
	Sleeving For Irrigation System		Directional Bore	LF					-	No		
			Cut and Patch	LF					-	No		
	Landscape Header Curb		LF					-	No			
Landscape Establishment		LS	1	135,000		135,000	135,000	Yes	127,305	7,695		
				SUBTOTAL LANDSCAPING & IRRIGATION ITEMS			490,000		127,305	362,695		
3. Site Furnishings	Pedestrian Nodes and Furnishings		LS	3	32,000		96,000	96,000	Yes	90,528	5,472	
	Seatwalls		EA					-	No			
	Bike Racks		EA					-	No			
	Trash Receptacles		EA					-	No			
	Drinking Fountains		EA					-	No			
	Signage (Standard Traffic Control)		LS	1	20,000		20,000	20,000	Yes	18,860	1,140	
	Signage (Wayfinding)		EA	3	5,000		15,000	15,000	Yes	14,145	855	
	Tree Grates		SY					-	Yes			
				SUBTOTAL SITE FURNISHINGS			131,000		123,533	7,467		
4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects.	Bicycle and Pedestrian Counter		EACH	3	1,000		3,000	3,000	Yes	2,829	171	
			LS	1				-	Yes			
			EA					-	No			
			LS	1				-	No			
			EA					-	No			
			LF					-	No			
			LS	1				-	No			
			EA					-	No			
				SUBTOTAL OTHER CONSTRUCTION ITEMS			3,000		2,829	171		
<b>TOTAL CONSTRUCTION COST</b>							<b>3,320,500</b>		<b>3,131,232</b>	<b>189,269</b>		

	MOBILIZATION AND ADMINISTRATION COSTS	CONTRACTOR MOBILIZATION (Typically 8% of construction cost)	8%	265,640	Yes	250,499	15,141
		TRAFFIC CONTROL (0-8% of construction cost)	5%	166,025	Yes	156,562	9,463
		CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)	10%	332,050	Yes	313,123	18,927
		CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)	15%	498,075	Yes	469,685	28,390
	SUBTOTAL – MOBILIZATION & ADMINISTRATION COSTS				1,261,790		1,189,868
TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING				4,582,290		4,321,099	261,191
ADOT REVIEW FEE	Please enter 'Yes' if your agency is certified accepted by ADOT for construction		Yes				
	ADOT Review Fee	Agency Type	RATE	HOURS	TOTAL	USES FEDERAL AID	FEDERAL LOCAL
	Contracts and Specs \ Advertise Project	Non CA	55	100	\$ -	No	- -
	District \ Review Stage Submittals	Non CA	50	40	\$ -	No	- -
	Environmental Planning \ Issue Clearance	All	50	40	\$ 2,000	No	- 2,000
	Right of Way \ Issue Clearance	Non CA	55	24	\$ -	No	- -
	Compliance Review\ Compliance Review	Non CA	175	40	\$ -	No	- -
	Project Management Group\ Project Management	Non CA	120	100	\$ -	No	- -
	Project Management Group\ Project Management	CA Only	120	60	\$ 7,200	No	- 7,200
	Utilities and Railroad Sections\ Issue Clearance	Non CA	50	24	\$ -	No	- -
				\$ 9,200		- 9,200	
TOTAL COST ESTIMATE				\$ 5,667,490		4,321,099	1,346,391

Mesa - Power Road Shared Use Pathway

**PART E - Budget and Signature Page**

Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
Design, excludes ADOT review fees	North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Fr	Design Shared Use pathway	2023	Local	\$ -	\$ 880,000	\$ 880,000	100.0%
Right-of-Way	North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Fr	Acquire ROW for Shared Use Path	2023	Local	\$ -	\$ 196,000	\$ 196,000	100.0%
Construction	North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Fr	Construct Shared Use Path	2024	TA-MAG	\$ 4,321,099	\$ 261,191	\$ 4,582,290	5.7%
<b>Total Programmed</b>					\$ 4,321,099	\$ 1,337,191	\$ 5,658,290	23.6%
<b>ADOT Design Review Fee</b>					\$ -	\$ 9,200	\$ 9,200	100.0%
<b>Total Cost</b>					\$ 4,321,099	\$ 1,346,391	\$ 5,667,490	23.8%

**Signature: To be signed with printed hard copy that is sent to MAG**

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

Signature:

Name:

R.J. Zedler

Title:

Transportation Department Director

Date:

9/12/19

## Part F - Checklist

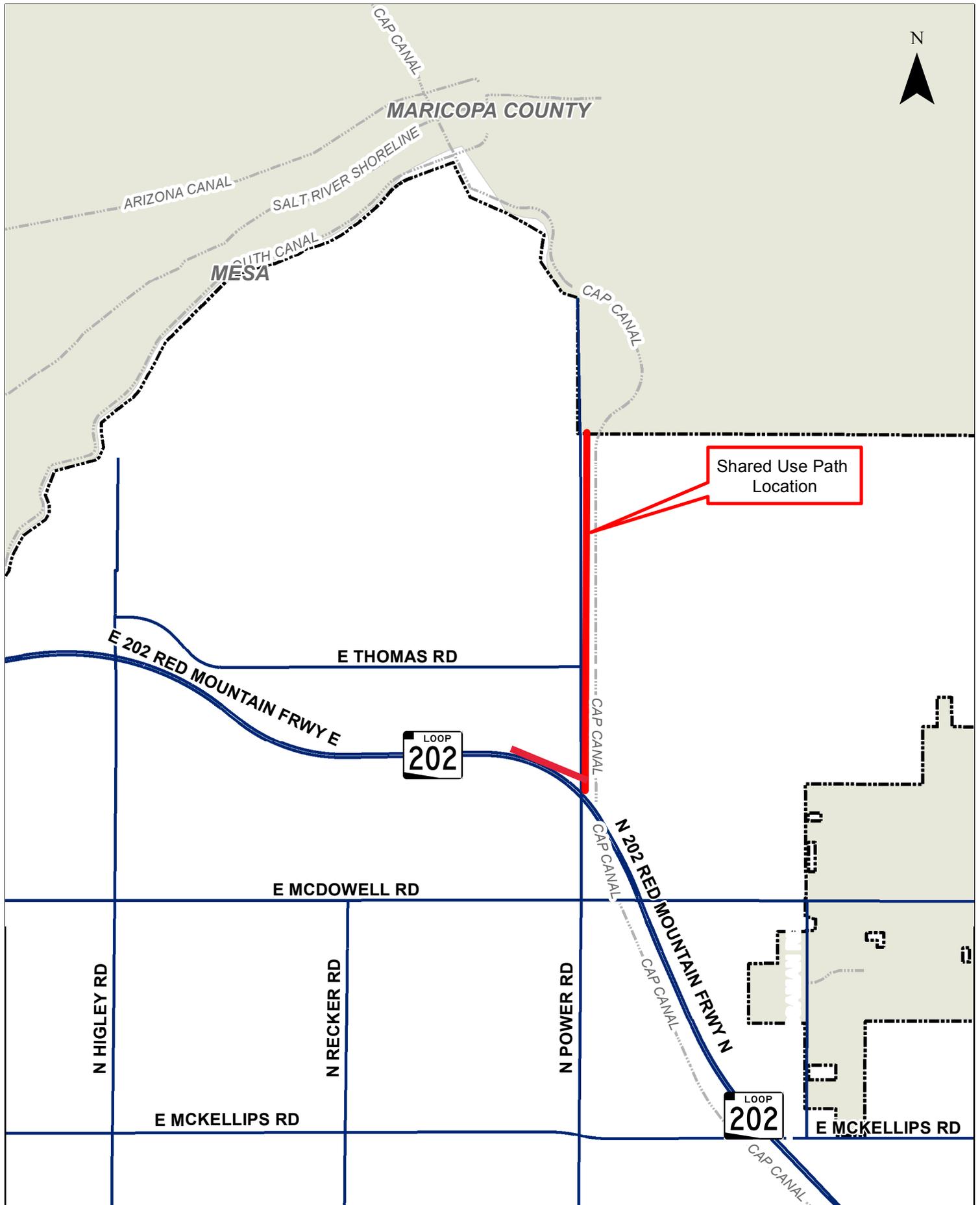
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

COVER SHEET		Complete?
Cover Sheet is completely filled out		Yes
PART A - Contacts and Project Description Fields		Complete?
Contact Information, fields 1 – 5 are complete		Yes
Project Description, fields 6 - 8 are complete		Yes
PART B - Project Description		Complete?
Fields 1 - 14 (Project Description) are complete		Yes
Fields 15 - 17 (Transit) are complete		Yes
Fields 18 – 22 (Attractors and Demographics) are complete		Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete		Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete		Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete		Yes
PART C - Required Attachments		Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.		Yes
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.		Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).		Yes
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.		Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.		Yes
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.		Yes
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.		Yes
PART D - Cost Estimate Worksheet		Complete?
<b>PROCUREMENT</b> (Not applicable for construction projects)	REQUESTED PROGRAMMING (Rows 4-7)	Complete?
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	PROCUREMENT/STUDY COSTS (Rows 9-29)	Yes
<b>DESIGN</b> (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 30-33)	Complete?
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	PRELIMINARY ENGINEERING (Rows 35-38)	Yes
	FINAL DESIGN (Rows 40-43)	Yes

<b>Part F - Checklist</b>		
<b>RIGHT OF WAY</b> (Applicable only if ROW is to be acquired)	REQUESTED PROGRAMMING (Rows 46-49)	<b>Complete?</b>
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	RIGHT OF WAY COST (Rows 51-63)	Yes
<b>CONSTRUCTION</b> (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 55-58)	<b>Complete?</b>
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities) (Rows 90-97)	Yes
	CONSTRUCTION COST	<b>Complete?</b>
	1. Hardscape Construction (rows 99-131)	Yes
	2. Landscaping & Irrigation Items (Rows 133-150)	Yes
	3. Site Furnishings (Rows 152-159)	Yes
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects.(Rows 161-170)	Yes
MOBILIZATION AND ADMINISTRATION COSTS (Rows 173-176)	Yes	
ADOT REVIEW FEE	Please enter 'Yes' if your agency is certified accepted by ADOT for construction (Cell E179)	Yes
<b>PART E - Budget and Signature Page</b>		<b>Complete?</b>
Name, title and date fields under the signature are completed.		Yes
<b>PART F - Signature and Checklist</b>		<b>Complete?</b>
Entire checklist is completed.		Yes

# Power Road Shared Use Path

## Vicinity Map

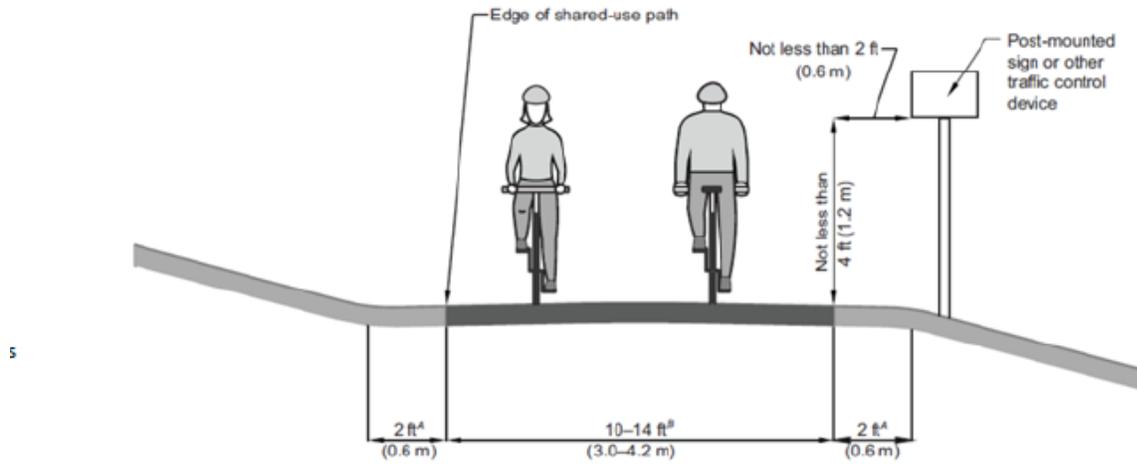


# Power Road Shared Use Path

Aerial Map



Typical pathway cross-section



Notes:

<sup>A</sup> (1V:6H) Maximum slope (typ.)

<sup>B</sup> More if necessary to meet anticipated volumes and mix of users, per the *Shared Use Path Level of Service Calculator (9)*



Power Road Park and Ride parking lot looking north.



Power Road Park and Ride parking lot looking north. Notice all of the current bicycle traffic tire tracks in the gravel.



Power Road/ Bush Hwy looking South



Power Road/ Bush Hwy looking north



300 E Sixth St  
PO Box 1466  
Mesa, Arizona 85211-1466

September 9, 2019

Mr. Jason Stephens  
MAG Active Transportation Program Coordinator  
302 N. First Avenue, #300  
Phoenix, AZ 85003

Dear Mr. Stephens:

On behalf of the City of Mesa Office of Transit Services, I strongly support the application to fund the Power Road Shared Use Pathway Project.

When the Power Road Park-and-Ride opened in 2010 it was intended to be a place where community members could access the express buses, local buses and bike paths. Since the facility opened members of our bike have been using the facility to access several bike trails in the area. The Power Road Shared Use Pathway project will help provide a safe facility for all members of the community and open access to the pathway up to a broader section of the community. In addition, it will help maximize use of the Power Road Park-and-Ride by enhancing the multi-modal usage of the facility.

I am firmly in favor of this project and recommend the Power Road Shared Use Pathway Project be fully funded.

Sincerely,

A handwritten signature in black ink that reads "Jodi Sorrell".

Jodi Sorrell  
Transit Services Director

September 3, 2019

Maricopa Association of Governments  
Active Transportation Committee  
Attn: Jason Stephens

Subject: City of Mesa Power Road Shared Use Pathway (District 5)

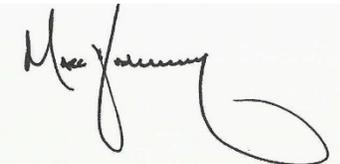
Mr. Stephens and Member of the Active Transportation Committee:

On behalf of the City of Mesa Parks, Recreation and Community Facilities Department, please consider this letter of support for the City of Mesa Transportation Departments application for grant funds to support the construction of the Power Road Shared Use Pathway. The construction of this path and the associated comfort amenities is a crucial extension of a growing trail system on the City's northern boundaries ultimately providing access to the existing Maricopa County Hawes Loop Trail and the Maricopa Trail.

As the Mesa community continues to seek alternative transportation methods as well as opportunities to recreate this project is essential to helping deliver those services for residents and visitors. Continuing to create pedestrian path connections, such as this, that link all our regional neighbors together is a true benefit to the State, Region and City.

Again, we wholeheartedly support this application and believe that its construction will continue to help us all deliver on our shared mission of continuing to make Mesa a great place to live, work and play. Should you have any questions or require additional information, please do not hesitate to contact me at 480-644-2667 or by email at [Marc.Heirshberg@Mesaaz.gov](mailto:Marc.Heirshberg@Mesaaz.gov).

Sincerely,



Marc Heirshberg, CPRE  
Director  
Parks, Recreation and Community Facilities

September 10, 2019

Jason Stephens  
Maricopa Association of Governments  
Active Transportation Committee  
302 North 1st Ave, Ste #300  
Phoenix, AZ 85003

Subject: Transportation Alternatives (TA)/CMAQ Application for FY 2023 and FY 2024 Projects;  
Construction of the Power Road Shared Use Pathway by the City of Mesa

Dear Mr. Stephens:

This is a letter of support for the City of Mesa's application for Transportation Alternatives (TA)/CMAQ grant funding for the construction of the Power Road Shared Use Pathway.

We support the design and construction of the Power Road Shared Use Pathway as it improves the quality of life of Arizona residents and visitors by providing a pathway along Power Road heading north, between the Power Rd/McKellips Rd regional park-and-ride and the City limits.

The proposed pathway connection to Summit Park will need to be analyzed to assure the drainage is not negatively affected in the area and an assurance of a safe and enhanced crossing at SR202 and Power Road will need to be met.

Sincerely,



Raul G. Amavisca, PE  
Engineering Administrator - Maintenance

c: Mohamed Elomeri, PE, Assistant District Engineer - Maintenance, ADOT Central District  
MariaAngélica Deeb, PE, MS, MEP, MPA, Project Manager, City of Mesa Transportation

## Block Groups (14 Selected) Report

Topic	Estimate	Percent
<b>Gender and Age</b>		
<i>Total Population</i>	<b>25,495</b>	-
<b>Gender</b>		
Male	12,485	49.0%
Female	13,010	51.0%
<b>Age</b>		
Median Age	-	-
Under 5 years	1,010	4.0%
5 to 9 years	1,182	4.6%
10 to 14 years	1,609	6.3%
15 to 19 years	1,435	5.6%
20 to 24 years	885	3.5%
25 to 34 years	1,828	7.2%
35 to 44 years	2,671	10.5%
45 to 54 years	3,873	15.2%
55 to 59 years	2,305	9.0%
60 to 64 years	1,894	7.4%
65 to 74 years	3,257	12.8%
75 to 84 years	2,586	10.1%
85 years and over	960	3.8%
<b>Select Age Groups</b>		
18 years and over	20,733	81.3%
21 years and over	20,024	78.5%
62 years and over	7,888	30.9%
65 years and over	6,803	26.7%
<b>Race and Ethnicity</b>		
<i>Total Population</i>	<b>25,495</b>	-
Hispanic	2,346	9.2%
<b>Non-Hispanic</b>		
White, Non-Hispanic	21,768	85.4%
Black, Non-Hispanic	315	1.2%
Native American, Non-Hispanic	96	0.4%
Asian, Non-Hispanic	394	1.5%
Pacific Islander, Non-Hispanic	43	0.2%
Other, Non-Hispanic	16	0.1%
Two or More, Non-Hispanic	517	2.0%
Minority	3,727	14.6%

<b>Educational Attainment</b>		
<b>Population 25 years and over</b>	<b>19,374</b>	<b>-</b>
Less than 9th Grade	217	1.1%
9th to 12th Grade, No Diploma	845	4.4%
High School Graduate (includes equivalency)	4,186	21.6%
Some College, No Degree	5,676	29.3%
Associate Degree	1,617	8.3%
Bachelor's Degree	4,244	21.9%
Graduate or Professional Degree	2,589	13.4%
<b>Ability to Speak English</b>		
<b>Population 5 years and over</b>	<b>24,485</b>	<b>-</b>
Speak Only English	22,907	93.6%
Speak Other Languages	1,578	6.4%
Speak English "very well"	1,262	-
Persons with Limited English Proficiency (LEP)	316	-
Speak English "well"	194	-
Speak English "not well"	121	-
Speak English "not at all"	1	-
<b>Veterans Status</b>		
<b>Civilian Population 18 years and over</b>	<b>20,720</b>	<b>-</b>
Civilian veterans	2,648	12.8%
<b>Veterans by Gender</b>		
Male	2,457	-
Female	191	-
<b>Veterans by Age</b>		
18 to 34 years	60	-
35 to 54 years	460	-
55 to 64 years	481	-
65 to 74 years	599	-
75 years and over	1,048	-
<b>Households</b>		
<b>Total Households</b>	<b>10,464</b>	<b>-</b>
Average Household Size	-	-
Family Households (Families)	7,236	69.2%
Married-couple family	6,307	-
Female Householder, no husband present	635	-
with own children under 18 years	264	-
Nonfamily Households	3,228	30.8%
Householder living alone	2,768	-

**Household Income (in 2017 inflation-adjusted dollars)**

<b>Total Households</b>	<b>10,464</b>	<b>-</b>
Median Household Income (dollars)	-	-
Less than \$10,000	503	4.8%
\$10,000 to \$14,999	201	1.9%
\$15,000 to \$24,999	905	8.6%
\$25,000 to \$34,999	787	7.5%
\$35,000 to 49,999	1,000	9.6%
\$50,000 to \$74,999	1,877	17.9%
\$75,000 to \$99,999	1,266	12.1%
\$100,000 to \$149,999	1,897	18.1%
\$150,000 to \$199,999	1,141	10.9%
\$200,000 or more	887	8.5%

**Poverty Status in the Past 12 Months**

<b>Persons for whom poverty status is determined</b>	<b>25,407</b>	<b>-</b>
Persons with income below poverty level	1,646	6.5%
Persons with income below 150% of poverty level	3,015	11.9%
Persons with income below 200% of poverty level	4,839	19.0%

**Poverty Status for Families in the Past 12 Months**

<b>Total Families</b>	<b>7,236</b>	<b>-</b>
Families with income below poverty level	310	4.3%
Married-couple family	240	-
with related children under 18 years	84	-
Female householder, no husband present	61	-
with related children under 18 years	61	-
Male householder, no wife present	9	-
with related children under 18 years	9	-

**Commuting to Work**

<b>Workers 16 years and over</b>	<b>11,430</b>	<b>-</b>
Car or Truck - drive alone	8,766	76.7%
Car or Truck - carpool	898	7.9%
Public Transportation	86	0.8%
Bicycle	95	0.8%
Walked	171	1.5%
Other means (taxicab, motorcycle, etc.)	352	3.1%
Work at home	1,062	9.3%

<b>Occupation</b>		
<b><i>Civilian employed population 16 years and over</i></b>	<b>11,628</b>	<b>-</b>
Management, business, science, and arts occupati	5,434	46.7%
Management, business, and financial occupati	2,594	-
Management occupations	1,844	-
Business and financial operations occupations	750	-
Computer, engineering, and science occupations	872	-
Computer and mathematical occupations	463	-
Architecture and engineering occupations	359	-
Life, physical, and social science occupations	50	-
Education, legal, community service, arts, and m	1,254	-
Community and social service occupations	126	-
Legal occupations	232	-
Education, training, and library occupations	725	-
Arts, design, entertainment, sports, and media	171	-
Healthcare practitioners and technical occupatio	714	-
Health diagnosing and treating practitioners ar	551	-
Health technologists and technicians	163	-
Service occupations	1,400	12.0%
Healthcare support occupations	160	-
Protective service occupations	241	-
Firefighting and prevention, and other protecti	193	-
Law enforcement workers including supervisor	48	-
Food preparation and serving related occupati	498	-
Building and grounds cleaning and maintenance	225	-
Personal care and service occupations	276	-
Sales and office occupations	3,236	27.8%
Sales and related occupations	1,778	-
Office and administrative support occupations	1,458	-
Natural resources, construction, and maintenance	712	6.1%
Farming, fishing, and forestry occupations	2	-
Construction and extraction occupations	345	-
Installation, maintenance, and repair occupation	365	-
Production, transportation, and material moving c	846	7.3%
Production occupations	365	-
Transportation occupations	353	-
Material moving occupations	128	-

<b>Housing</b>		
<b>Total Housing Units</b>	<b>12,833</b>	<b>-</b>
<b>Occupancy and Tenure</b>		
Occupied Housing Units	10,464	81.5%
Average Household Size	-	-
Owner Occupied Housing Units	8,762	83.7%
Average Household size of Owner Occupied Hc	-	-
Median Value (dollars)	-	-
Renter Occupied Housing Units	1,702	16.3%
Average Household size of Renter Occupied Hc	-	-
Median Rent (dollars)	-	-
Vacant Housing Units	2,369	18.5%
For seasonal, recreational, or occasional use	1,677	-
All other vacant	692	-
<b>Units in Structure</b>		
1, detached	8,999	70.1%
1, attached	648	5.0%
2 to 9	492	3.8%
10 or more	693	5.4%
Mobile Home	1,975	15.4%
Boat, RV, van, etc.	26	0.2%
<b>Vehicles Available</b>		
Occupied Housing Units	10,464	-
No vehicle available	554	5.3%
1 vehicle available	3,482	33.3%
2 vehicles available	4,173	39.9%
3 or more vehicles available	2,255	21.6%
<b>Area</b>		
Total Area in Acres	11,460	-
Total Area in Square Miles	17.9	-

**Source: United States Census Bureau, American Community Survey 2013-2017**

Source: U.S. Census Bureau, 2013-2017 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](http://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](http://www.census.gov/acs)) in the Methodology