



**DESIGN ASSISTANCE APPLICATION
for FY 2017**

Red Mountain Shared Use Pathway

City of Mesa

**APPLICATIONS ARE DUE VIA ONLINE SUBMITTAL BY
10:00 AM ON THURSDAY, JUNE 23, 2016**

DESIGN ASSISTANCE FY 2017 APPLICATION

Mesa: Red Mountain Shared Use Pathway

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

1. Name of Sponsoring Agency	Mesa
2. Project Manager Name and Title	James Hash - Senior Transportation Planner
3. Phone Number of Project Manager	480-644-3556
4. E-Mail Address of Project Manager	james.hash@mesaaz.gov
5. Mailing Address of Project Manager	PO Box 1466 - MS 2000, Mesa, AZ. 85211

Project Description

6. Please provide the Project Title.	Red Mountain Shared Use Pathway
7. Please provide the amount of funding requested:	\$80,000.00
8. Please provide a specific description of the project (i.e. bike path or sidewalk, width, length, cement or asphalt, etc.) (250 character limit):	

The Red Mountain 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 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 an existing Maricopa County Hawes Loop Trail and Maricopa Trail. The Red Mountain Shared Use Pathway will also create an intersection with the Maricopa County Flood Control District FRS offering use to a variety of users including; commuters, Mesa Community College students, recreational users, and people wanting to access the Tonto National Forest Recreation Area.

9. Please provide the project limits:	
North Power Road - North City of Mesa Limit to Loop 202 Red Mountain Freeway/ McDowell Road Park and Ride	

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PART B - PROJECT DESCRIPTION

1. What type of project is this?

- | | | | |
|-------------------------------------|---|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> | Bicycle lane (4' min. w/o curb/gutter) | <input type="checkbox"/> | Grade-separated crossing |
| <input type="checkbox"/> | Bicycle lane (5' min. with curb/gutter) | <input type="checkbox"/> | Sidewalk (5' min.) |
| <input type="checkbox"/> | Buffered Bike Lane | <input type="checkbox"/> | Wide Sidewalk (8' min.) |
| <input type="checkbox"/> | Protected Bike Lane | <input type="checkbox"/> | Detached Sidewalk with 4' min. buffer |
| <input checked="" type="checkbox"/> | Shared-use path (10' min.) | <input checked="" type="checkbox"/> | Midblock Crossing |

2a. 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, 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 Communtiy. With the addition of the Power Road park and ride a few years ago, there has be a 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 sugnificant gap in Mesa's currently multi-modal system.

2b. Why is this project important to the community?

TheRed Mountain Shared Use Pathway Project is a direct result of community input and data that was collected through the compilation of the 2012 Mesa Bicycle Master Plan and the Desert Uplands Area Plan, public outreach and input. As the bicycle master plan was developed it was identified that the Power Road corridor was one of the top bicycle corridors used by recreational cyclists traveling to and from the Tonto National Forest.

3. Connectivity: (Check all that apply)

- Project fills a gap in the regional system
Explain:
- Project connects to other local facilities
List the connected facilities:
- Multi Jurisdictional Project
List of Participating Jurisdictions:
- Total length of facilities connected by this project (in miles)

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4. 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 physically separation from motorized vehicle offering a safer environment for travel. This thoroughfare is heavily used by recreational cyclist traveling north and south through Mesa as well as bicycles and pedestrians connecting to transit, jobs, and services from nearby neighborhoods.

5. Describe how this project will improve access to transit:

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 users 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.

6. Describe how this project will address bike/vehicle or pedestrian/vehicle conflicts:

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

7. What are the demographics of the area served:

[MAG Demographic Mapping](#)

- People Per Square Mile
- % Families in Poverty
- % Age 65 Plus

Use the MAG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reports," select "Custom Summary." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census blocks 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 blocks will become highlighted in blue. A pop-up box will appear with "Report 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 Excel icon at the top-right side of the pop-up window) for your records.

8. How will this project benefit families in poverty?

While the area as depicted by the current alignment is only 5% a large percentages (26%) of Mesa residents that live in the larger catchment area are below the poverty line. These residents are one of Mesa's heaviest bicycling and walking user groups depending on bicycles or walking in corrdination with transit for their main source of transportation. These residents utilize the area to travel to and from jobs in this more affluent area of Mesa.

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9. How will this project benefit minority residents?

15% of residents in the general catchment area of this pathway are minorities. Among these minority groups there is the Propensity to have a large dependency for bicycling for utilitarian purposes.

10. How will this project benefit elderly residents?

This path alignment and all path and roadways in the eastern portion of Mesa are utilized heavily by our elderly population and by Mesa's extensive population of winter visitors that travel to this region for Arizona fantastic winter weather. These groups have several recreational riding groups that utilize Power Road and connecting streets for their daily activities and errands.

11. How will this project benefit school children?

A large portion of Mesa's private, charter, and college student population utilize bus and bike to travel to and from school on a daily basis. The addition of these proposed facilities would offer those students connecting to mass transit the ability to travel along a safer and more efficient route.

12. Please list any schools within 1/4 mile of the project:

Las Sendas Elementary School, Red Mountain Ranch Elementary, Mesa Community College, and Pathfinder Academy

13. How does the project benefit 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 and all facilities will be evaluated for ADA compliancy and necessary improvements will be made.

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14. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
List:
- Consistent with general policy/practices, but not formally identified (provide source)
Explain:
- Not addressed by jurisdiction's plans, policies, or practices
Explain:

15. List the community partners that will be supporting the development and promotion of this project. Include city departments that will also be supporting the project.

This project is supported by: United States Bearu of Reclamation, Maracopa County Flood Control, Maricopa County Parks, The Mesa Bicycle Master Plan Citizens Advisory committee, the Transportation Advisory Board, Mesa City Council, the following Mesa City Departments; City Manager’s Office, Engineering Department, Economic Development department, and the Planning & Sustainability Department.

16. Does the jurisdiction have a dedicated staff person to manage the project? Which city department will be responsible to provide information to the consultant?

Yes the City of Mesa will have a dedicated staff member from both the Engineering department and the Mesa Bicycle Program as co-project managers for this project.

17. Does the jurisdiction have base information available (topo survey, aerial photography, ALTA survey in electronic/digital format, easement information, utility placement information)?

Yes

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PART D - PROJECT COSTS

1. What is the approximate cost for 15% preliminary plans* for this project? Estimate cost for each task below:

\$2,500	Scope of Work
\$10,000	Stakeholder and Core Team Meetings
\$25,000	Data Collection
\$25,000	Data Analysis
\$10,000	Project Assessment Report (Draft)
\$5,000	Project Assessment Report (Final)
\$2,500	Executive Summary and Regional Significance Report
\$80,000	TOTAL COST ESTIMATE FOR 15% PRELIMINARY PLANS (SHOULD MATCH PART A, #7)

*15% Preliminary Plans generally include:

- Project Information (location, description, map)
- Background data including the need for the project
- Project Scope (length, type of work, how it is to be constructed)
- Project Development
- Environmental overview
- Geotechnical and drainage requirements
- Critical outside agency involvement
- Preliminary Right-of-Way requirements
- Preliminary Utility relocation requirements
- Preliminary Traffic requirements
- Seasonal consideration
- Design Criteria
- Itemized Cost Estimate
- Schedule
- Preliminary Plans
- Preliminary Pathway Horizontal Layout
- Typical Sections
- Preliminary Aesthetic Concept
- Information on potential funding sources
- Executive Summary

2. What is the anticipated cost for the whole project (please break down costs by design, environmental, ROW, utilities, construction, etc)?

Design including environmental \$350,000, Construction \$3,500,000, ROW \$0
Total of \$3,850,000

3. Are there designated funds for construction of this project? If yes, what funding sources have been identified?

Not at this time.

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4. If funding has NOT been identified for construction of the project, what efforts have been made to identify funds that could be used for this project?

The project will be placed in the CIP and will move forward as part of the Mesa Streets Bond package in 2018.

5. Are there funds for maintenance? Who has the responsibility for maintenance?

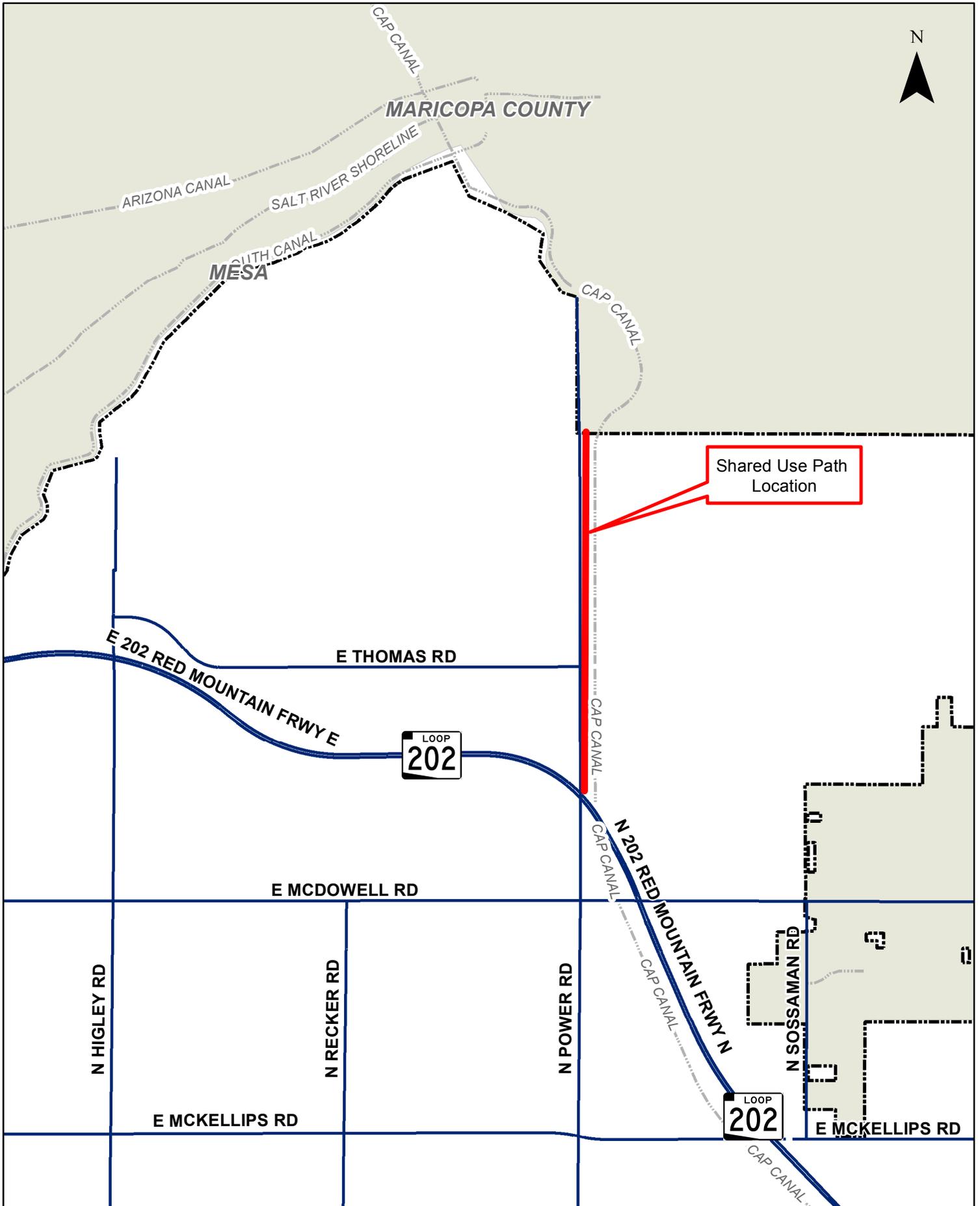
When a project is placed into the City of Mesa CIP there are always operations and maintenance added to the annual budget. These O&M responsibilities are the responsibility of the City of Mesa Transportation Departments, Streets Maintenance Division.

6. Is an easement required for this project? If YES, please attach a Property Owner Letter of Support.

Yes

Red Mountain Shared Use Path

Vicinity Map



Red Mountain Shared Use Path

Aerial Map



Shared Use Path Location

0 0.15 0.3 0.6 Miles



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

From: [Doug Austin](#)
To: [James Hash](#)
Cc: [Doug Austin](#)
Subject: Red Mountain Shared Use Pathway
Date: Wednesday, June 22, 2016 9:33:21 AM

To:
Jim Hash, LCI
Senior Planner
Bicycle and Pedestrian Program Manager
City of Mesa Transportation Department

Good morning!

On behalf of the Las Sendas Community Association (LSCA) Board of Directors please accept this letter of overwhelming support for the "Red Mountain Shared Use Pathway". As you are aware our community of 3380 homes and nearly 8000 residents have been wanting this trail system for several years. Many of our residents use the dirt path now which is unsafe at best.

The improvements and the connecting of the pathway are long overdue and we hope you receive the funding to make this happen.

Again let me reiterate that the LSCA and its 8000 residents fully support this project. Let us know how we can help get this moving forward.

Thanks again for all you do for our community in the great city of Mesa!

[Doug Austin, CMCA,AMS,PCAM](#)
Executive Director

[Las Sendas Community Association](#)
7900 E Eagle Crest drive
Mesa, Az 85207

Phone [480 357 8780](tel:4803578780)
Fax [480 357 7687](tel:4803577687)
Email daustin@thetrailhead.org



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Maricopa County

Parks & Recreation Department

41835 N Castle Hot Springs Rd
Morristown, AZ 85342-9887
Phone: (602) 506-2930
Fax: (602) 372-8596

June 16, 2016

Maricopa Association of Governments
Design Review Committee
302 North 1st Avenue
Suite 300
Phoenix, Arizona 85003

RE: Red Mountain Shared Use Pathway

Dear Mr. Stephens:

On behalf of the Maricopa County Parks and Recreation Department, I am very pleased to support the Red Mountain Shared Use Pathway Project. Our County has long supported bicycle and pedestrian projects as a way to encourage a healthier region and more accessible bicycle facilities. As the Maricopa Trail Manager one of my main priorities is working with the various municipalities throughout the County to assist in linking to our trail system. The County recognizes this particular path project as a critical link in a regional bicycle system and supports making our local freeways more bicycle and pedestrian friendly.

We feel that the Red Mountain Shared Use Pathway Project has the benefit of providing transportation and recreational facilities that improve safety in the in the City of Mesa. It will provide a regional best practice and example that can be duplicated throughout the region and State.

Thank you for this opportunity to voice our support for this worthwhile Regional project.

Sincerely,

John J. Rose

John J. Rose, P.L.S.
Maricopa Trail Manager



June 16, 2016

Maricopa Association of Governments
Design Review Committee
302 North 1st Avenue
Suite 300
Phoenix, Arizona 85003

RE: Red Mountain Shared Use Pathway

Dear Mr. Stephens:

On behalf of the Central Arizona Project (CAP), I am very pleased to support the Red Mountain Shared Use Pathway. The CAP has long supported bicycle and pedestrian projects as a way to encourage a healthier region and more accessible bicycle facilities. If approved, this project will be an important link to both the CAP Trail and the Maricopa Trail which are located just north and on the edge of the City's boundary line. Therefore, the CAP recognizes this particular pathway project as a critical link in the regional bicycle system and continues to support these types of projects that make our local freeways, streets, greenways, and canals more bicycle and pedestrian friendly.

We feel that the Red Mountain Shared Use Pathway Project provides the City of Mesa the opportunity to provide not only transportation and recreational facilities but improved safety along this proposed route as well. When completed, this project will also serve as an example of how to implement regional best practice design and construction techniques which could be duplicated throughout the region and State.

Thank you for this opportunity to voice CAP's support for this worthwhile Regional project!

Sincerely,

Tom Fitzgerald

Tom Fitzgerald
Supervisor, Lands and Records

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PART E - SIGNATURE AND CHECKLIST

Checklist

This check list is included to facilitate applicant review and verification that all required fields in the form have been completed. **Incomplete applications will not be accepted.**

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 - 9 are complete	Yes
PART B - Project Description	Complete?
Fields 1 - 17 are complete	Yes
PART C - Attachments	Complete?
Attachment 1 - Map with street names	Yes
Attachment 2 - Aerial photos (if available)	Yes
Attachment 3 - Photographs with captions of the study area showing the problems/issues	Yes
Attachment 4 - Letter of Support and Cooperation from Property Owner (if required)	Yes
Attachment 5 - Up to 3 Letters of Support (OPTIONAL)	Yes
PART D - Project Costs	Complete?
Fields 1-6 are complete	Yes
PART E - Signature and Checklist	Complete?
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager or administrator.	Yes
Name, title and date fields under the signature are completed.	Yes

SIGNATURE:

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

Signature:	
Name:	Scott Butler
Title:	Deputy City Manager
Date:	6-14-16