**General Instructions:**

This Excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Bicycle Projects to be included in the FY2014-FY 2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2015, 2016 and 2017.

This application form includes:

- Part A - Contact and Project Description,
- Part B - Segment Description and Proposed Improvements,
- Part C - Total Project Budget and Schedule,
- Part D - Checklist and Signature Page, and Transmittal Instructions and Schedule.

Each part is a separate tab of this excel file. Please complete Parts A - D. Alternative application forms are available upon request.

**Deadlines and Transmittal Instructions:**

Two copies of a printed, complete and signed application must be received in the MAG offices by 10:00 a.m. Wednesday, September 19, 2012. The application is to be submitted electronically and should include ArcGIS shape files depicting the project location if they are available.

Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications will not be accepted.

If member agencies need additional information or have questions, they should contact Teri Kennedy or Stephen Tate at (602) 254-6300 or contact them by e-mail at the following addresses:

- mailto:skennedy@azmag.gov
- mailto:state@azmag.gov
- mailto:MDeCindis@azmag.gov

---

**PART A - CONTACT AND PROJECT DESCRIPTION**

<table>
<thead>
<tr>
<th>Contact Information</th>
<th>1. Sponsoring Agency</th>
<th>Surprise</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Contact Name</td>
<td>Terry Lowe</td>
<td></td>
</tr>
<tr>
<td>3. Phone</td>
<td>623-222-6022</td>
<td></td>
</tr>
<tr>
<td>4. E-Mail Address</td>
<td><a href="mailto:terry.lowe@surpriseaz.gov">terry.lowe@surpriseaz.gov</a></td>
<td></td>
</tr>
<tr>
<td>5. Mailing Address</td>
<td>16000 N. Civic Center Plaza</td>
<td>Surprise, AZ 85374</td>
</tr>
<tr>
<td>Project Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Please provide the Project Title.</td>
<td>Reems Road westside sidewalk between Peoria &amp; Cactus</td>
<td></td>
</tr>
<tr>
<td>7. Please provide a general description of the project (Please no more than 200 characters)</td>
<td>This project will install a missing 1 mile section of sidewalk on the west side of Reems Road. This will connect the neighborhood access to the existing signalized, ADA ramps at Cactus and Peoria.</td>
<td></td>
</tr>
<tr>
<td>8. Please attach a map with streets labeled showing the location(s) of the bicycle/shared-use facility.</td>
<td>Please attach map with transmittal (OPTIONAL)</td>
<td></td>
</tr>
<tr>
<td>If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled &quot;GIS Transmittal Instructions&quot;</td>
<td>GIS Submittal Instructions</td>
<td></td>
</tr>
<tr>
<td>Pedestrian, Bicycle and Shared-Use Facility Project Application from Surprise for 'Reems Road westside sidewalk between Peoria &amp; Cactus'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

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.

GMAQ Funding Eligibility

All Pedestrian, Bicycle and Shared-Use projects to be funded with federal CMAQ funds must be located in the 8-Hour Ozone Nonattainment Area. Please use the following link to verify that the project is in the nonattainment area.

Links to 8-Hr Ozone Nonattainment Area Map

Section 1 - Project Description

1. What is the type of bicycle project? (Check all that apply)

- Bicycle lane (4’ min. w/o curb/gutter)
- Bicycle lane (5’ min. with curb/gutter)
- Shared-use path (10’ min.)
- Bridge (overpass)
- Tunnel (underpass)
- Paved shoulders (5’ min.).

2. What is the type of pedestrian project? (Check all that apply)

- Sidewalk (5’ min.)
- Wide sidewalk (8’ min.)
- Detached sidewalk (4’ min. buffer)
- Bridge (overpass)
- Tunnel (underpass)

2. Please describe the facility on which the improvement will be located.

For a linear feature please enter the Facility Name, Starting Limit and Ending Limit. For a point feature (e.g. an intersection or crossing) please enter a Facility Name and a Crossing Feature.

Reems Road, Peoria Road intersection north to Cactus Road intersection.

Federal Functional Classification of the Facility

Major Arterial

Type of Facility the Improvement will be located on

Arterial Road

1.00 Length (in Miles)

45 Posted Speed Limit (MPH)

4 Through Lanes

The application submission will include ArcGIS shapefiles.

3. Please provide a map, aerial map, graphics and photos that clearly show the segment alignment and features that connect to other bicycle facilities and that cross into or about the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.

4. Please provide a simple diagram of the current typical cross section, including widths, of the segment that shows the right of way limits, sidewalks and shoulders (if any), and the lanes of travel.
5. Please provide an estimated traffic volume (ADT) below.

   10,840 ADT Estimate
   3/8/12 Date Counted

   Name of road the traffic count was taken from
   Reems Road South of Cactus

   Description of Methodology used for the ADT Estimate
   Traffic counts were conducted for 24 hr period. A copy of the traffic count can be provided on request.

6. 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.

   Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.
   None

7. Current ROW: (Check all that apply)

   X Agency owns all ROW Needed
   Agency owns easement
   Agency has right-of-use (i.e. canal)
   Condemnation may be required
   ROW to be acquired
   Owners will donate ROW

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

   Zero right of way issues exist. The City of Surprise has ROW where the sidewalk is to be placed.

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

   X No Utility in or abutting the alignment
   Pipelines, Sewer and Water
   Canals & Drainage
   Private Structures
   Power Lines & Cables
   Other
10. Please describe any utility conflicts that will need to be addressed.

N/A.

### Section 2 - Proposed Improvements

11. Please describe the work to be performed on the project:
The project will install a 6’ sidewalk along the west side of Reems Road. This sidewalk will connect the previously constructed intersections at Peoria Road and Cactus Road.

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

<table>
<thead>
<tr>
<th>AASHTO Guide for Bicycle Facilities</th>
<th>Other</th>
<th>City of Surprise Engineering Design Standards (EDS) for sidewalks will be followed. The EDS has adopted AASHTO and MAG design guidelines to meet the City requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAG Pedestrian Policies and Design Guidelines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAG Complete Streets Guide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. Why is this project an enhancement to the local and/or regional transportation system? Is this a one-time opportunity?

This is a one-time opportunity. This will connect the neighborhoods with multimodal access to amenities at either end of the project limits. These improvements will provide safety and accessibility for residents, students, shoppers and those who choose to walk to their destination. This improvement will also aid pedestrians heading south towards the Luke Air Base. Both the Surprise General Plan, Gap Study, and Parks and Trails Plan encourage interconnectivity to destinations such as schools, shopping and health care services as well as connectivity between municipalities.

14. Please describe the current surface condition of the proposed project

The area abutting the west side of Reems is currently unimproved, raw land with zero landscaping.

15a. Safety improvements to be included for bike facilities: (Check all that apply)

<table>
<thead>
<tr>
<th>Wide bike lanes (5'-7')</th>
<th>Buffer Zone, Width</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade-separated crossing (overpass or underpass)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signalized crossing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Path lighting</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15b. Safety improvements to be included for pedestrian facilities: (Check all that apply)

<table>
<thead>
<tr>
<th>Wide sidewalk (8' min.)</th>
<th>Buffer Zone, Width</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade-separated crossing (overpass or underpass)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signalized crossing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Path lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shade</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

16a. Number of convenience improvements to be included for bike facilities:

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking Fountains</td>
<td>0</td>
</tr>
<tr>
<td>Way-finding Signs</td>
<td>0</td>
</tr>
<tr>
<td>Bike racks/lockers</td>
<td>0</td>
</tr>
<tr>
<td>Trash receptacles</td>
<td>0</td>
</tr>
<tr>
<td>Seating/Rest(s)</td>
<td>0</td>
</tr>
</tbody>
</table>

16b. Number of convenience improvements to be included for pedestrian facilities:

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking Fountains</td>
<td>0</td>
</tr>
<tr>
<td>Way-finding Signs</td>
<td>0</td>
</tr>
<tr>
<td>Trash receptacles</td>
<td>0</td>
</tr>
<tr>
<td>Seating/Rest(s)</td>
<td>0</td>
</tr>
</tbody>
</table>

17. How does this project improve upon an existing safety issue?

Due to the presence of a continuous path, the sidewalk will prevent residents and wheelchair users from crossing the roadway thereby preventing accidents with vehicles.

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

This project will allow for persons with disabilities access from their residential subdivision to existing and future commercial development.

19. Connectivity: (Check all that apply)

- [X] Project fills a gap in the system
- [X] Project connects to other local facilities
- Project is on a regional facility
  - Regional Facility Name
- Multi Jurisdictional Project
  - List of Participating Jurisdictions
  - Number of transit routes and Park & rides
  - List: route number(s)/park & ride(s) served.

20. Total length of facility connected by this project (in miles)

<table>
<thead>
<tr>
<th>Length</th>
<th>Miles of facilities connected</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
### Part B - Pedestrian, Bicycle & Shared-Use Project Description and Proposed Improvements

#### 21. Number of activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

- **Within 1/4 mile**
  - List:  

- **1/4 mile to 1/2 mile**
  - List:  

- **1/2 mile to 1 mile**
  - List:  

#### 22. Number of commercial destinations (malls, retail centers, business parks, etc.) and transit services (bus/rail routes, stops, and stations) this project will benefit:

- **Within 1/4 mile**
  - List:
    - Commercial on the SEC of Cactus and Reems; a Chase Bank, Kohls, and Wendy's Restaurant

- **1/4 mile to 1/2 mile**
  - List:  

- **1/2 mile to 1 mile**
  - List:  

#### 23. Number of schools (public elementary, middle, and high schools, colleges, and universities) this project will benefit:

- **Within 1/4 mile**
  - List:
    - 2 public elementary schools: Sonoran Heights and Rancho Gabriella

- **1/4 mile to 1/2 mile**
  - List:  

- **1/2 mile to 1 mile**
  - List:  

#### 24. What are the demographics of the area served:

- **Housing Density** (Number of dwelling units per acre) within 1/2 mile
- The project is in a block group where the average household income is less than $26,000/year (Use blockgroup data from the Census 2010)
- The project is in an area that serves adults over the age of 60 years (Use blockgroup data from the Census 2010)
25. Jurisdiction has the following policies for improved bicycle/shared use facilities:

- With new development and capital improvement projects, bike lanes on arterial streets are: Not Addressed
- With new development and capital improvement projects, bike lanes on collector streets are: Not Addressed
- With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are: Not Addressed
- With new development or during development retrofits, shared-use paths are: Not Addressed
- Bicycle program implemented, including bike education, safety events, and bike maps Not Addressed

Complete Streets Policy Not Addressed

26. The project is: (Check one)

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

27. Describe how this project will be publicized to the general public.

The project will be advertised on the City website and local publications.

28. How will you determine customer satisfaction/evaluation?

N/A.

Pedestrian, Bicycle and Shared-Use Facility Project Application from Surprise for 'Reems Road westside sidewalk between Peoria & Cactus'
### PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS

Please provide a cost and programming estimate for the total project (e.g., the cost to complete all planned segment improvements). 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 the segment description(s) in Part B(a).

<table>
<thead>
<tr>
<th>Cost Estimate for the Project Including ALL Segments</th>
<th>Cost</th>
<th>Optional (Additional Notes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ADOT Fee</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>2. Design</td>
<td>38,345</td>
<td>PSE and Design</td>
</tr>
<tr>
<td>3. Right of way</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>4. Utilities</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>5. Construction</td>
<td>191,725</td>
<td></td>
</tr>
<tr>
<td>6. Contingency</td>
<td>19,200</td>
<td>10% of Total Cost</td>
</tr>
<tr>
<td>7. Total Cost</td>
<td>269,270</td>
<td></td>
</tr>
</tbody>
</table>

8. Please attach a detailed cost estimate if available. [Link to MAG Webpage for Bike-Ped Cost Form](#)

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

10. Expected Annual Maintenance Cost

<table>
<thead>
<tr>
<th>Requested MAG Programming</th>
<th>Year</th>
<th>Local Funding Source</th>
<th>Local Cost</th>
<th>Federal Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Design</td>
<td>2015</td>
<td>General Fund</td>
<td>58,345</td>
<td>Not Available</td>
<td>58,345</td>
</tr>
<tr>
<td>12. Right of way and Utilities</td>
<td>2015</td>
<td>General Fund</td>
<td>0</td>
<td>Not Available</td>
<td>0</td>
</tr>
<tr>
<td>13. Construction</td>
<td>2016</td>
<td>General Fund</td>
<td>12,025</td>
<td>198,900</td>
<td>210,925</td>
</tr>
</tbody>
</table>

|                             |      |                       | 70,370     | 198,900      | 269,270    |

Pedestrian, Bicycle and Shared-Use Facility Project Application from Surprise for 'Reems Road westside sidewalk between Peoria & Cactus'
**PART D - SIGNATURE AND CHECKLIST**

As the jurisdiction'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: Chris Hillman

Title: City Manager

Date: 9/18/12

**WILL FILL OUT AFTER QUESTIONS APPROVED.**

Checklist - OPTIONAL

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed.

<table>
<thead>
<tr>
<th><strong>PART A - Contacts and Project Description Fields</strong></th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Information, fields 1 – 5 are complete</td>
<td></td>
</tr>
<tr>
<td>Project Description, fields 6 - 7 are complete</td>
<td></td>
</tr>
<tr>
<td>Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PART B - Segment Description and Proposed Improvements Fields</strong></th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Description, Section 1</strong></td>
<td></td>
</tr>
<tr>
<td>Fields 1 - 2 are complete</td>
<td></td>
</tr>
<tr>
<td>Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.</td>
<td></td>
</tr>
<tr>
<td>Field 4 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.</td>
<td></td>
</tr>
<tr>
<td>Fields 5 – 10 are complete</td>
<td></td>
</tr>
<tr>
<td><strong>Proposed Improvements, Section 2</strong></td>
<td></td>
</tr>
<tr>
<td>Fields 11 – 28 are complete</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PART C - Total Project Schedule and Budget Including All Segment Fields</strong></th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fields 1 – 7 are complete</td>
<td></td>
</tr>
<tr>
<td>Field 8 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.</td>
<td></td>
</tr>
<tr>
<td>Field 9 - 10 are complete</td>
<td></td>
</tr>
<tr>
<td>Fields 11 – 13 Years are complete</td>
<td></td>
</tr>
<tr>
<td>Fields 11 – 13 Local Funding Sources are complete</td>
<td></td>
</tr>
<tr>
<td>Fields 11 – 13 Local Costs are complete</td>
<td></td>
</tr>
<tr>
<td>Field 11 - 13 Federal Costs are complete</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PART D - Signature Page Fields</strong></th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form is signed</td>
<td></td>
</tr>
<tr>
<td>Name, title and date fields are completed.</td>
<td></td>
</tr>
</tbody>
</table>

Pedestrian, Bicycle and Shared-Use Facility Project Application from Surprise for 'Reems Road westside sidewalk between Peoria & Cactus'
## Pedestrian/Bicycle Cost Estimation Form

### Part A: Project Description

#### 1. Project Title\(\text{\textsuperscript{1}}\)

- Project Description

#### 2. Project Purpose

- List Purpose

#### 3. Project Objectives

- Objectives

#### 4. Project Scope

- Scope

#### 5. Project Schedule

- Schedule

#### 6. Project Budget

- Budget

#### 7. Project Team

- Team

### Part B: Cost Estimation

#### 1. Other Costs Not Included

- Other Costs

#### 2. Labor and Materials

- Labor and Materials

#### 3. Overhead

- Overhead

#### 4. Profit

- Profit

#### 5. Total Cost

- Total Cost

#### 6. Additional Notes

- Notes

### Part C: Project Highlights

#### 1. Project Highlights

- Highlights

#### 2. Project Risks

- Risks

#### 3. Project Challenges

- Challenges

#### 4. Project Opportunities

- Opportunities

### Part D: Project Budget

#### 1. Project Budget Summary

- Summary

#### 2. Project Budget Summary by Category

- Summary by Category

### Part E: Project Schedule

#### 1. Project Schedule Overview

- Overview

#### 2. Project Schedule by Milestone

- Milestone

#### 3. Project Schedule by Task

- Task

### Part F: Project Performance

#### 1. Project Performance Metrics

- Metrics

#### 2. Project Performance Indicators

- Indicators

#### 3. Project Performance Trends

- Trends

### Part G: Project Communication

#### 1. Project Communication Plan

- Plan

#### 2. Project Communication Channels

- Channels

#### 3. Project Communication Tools

- Tools

### Part H: Project Risk Management

#### 1. Project Risk Management Plan

- Plan

#### 2. Project Risk Register

- Register

#### 3. Project Risk Response Plan

- Plan

### Part I: Project Cost Analysis

#### 1. Project Cost Analysis Summary

- Summary

#### 2. Project Cost Analysis Details

- Details

#### 3. Project Cost Analysis by Category

- Category

### Part J: Project Closeout

#### 1. Project Closeout Summary

- Summary

#### 2. Project Closeout Report

- Report

#### 3. Project Closeout Standards

- Standards

### Part K: Project Lessons Learned

#### 1. Project Lessons Learned

- Lessons

#### 2. Project Opportunities for Improvement

- Opportunities

#### 3. Project Recommendations

- Recommendations

### Part L: Project Appendices

#### 1. Project Appendices

- Appendices

#### 2. Project References

- References

#### 3. Project Attachments

- Attachments
REEMS ROAD
CROSS SECTION - LOOKING NORTH