



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

Idaho Road Pedestrian and Bicycle Improvements

City of Apache Junction

**APPLICATIONS ARE DUE AT MAG OFFICES BY  
Monday, September 25, 2017 at 10:00 a.m.**

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

**Apache Junction: Idaho Road Pedestrian and Bicycle Improvements**

<b>PART A - CONTACT AND PROJECT DESCRIPTION</b>	
<b>Contact Information</b>	
1. Name of Sponsoring Agency	Apache Junction
2. Agency Contact Name	Mike Wever
3. Phone Number of Agency Contact	480-474-8513
4. E-Mail Address of Agency Contact	mwever@ajcity.net
5. Mailing Address of Agency Contact	300 East Superstition Blvd. Apache Junction, Arizona 85119
<b>Project Description</b>	
6. Please provide the Project Title.	Idaho Road Pedestrian and Bicycle Improvements
7. Please provide a concise, specific description of the project (250 character limit):	
<p>Installation of sidewalk, curb &amp; gutter on the west side of Idaho Road from Superstition to Foothill and the installation of bike lanes on Idaho between Superstition and McKellips on the west side and Tepee and McKellips on the east side.</p>	
8. Please provide the project limits:	
<p>The project will take place on Idaho Road between Superstition Blvd. and McKellips Road.</p>	

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**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 checked="" type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <input type="checkbox"/> Wide Sidewalk (8' min.)                              |
| <input type="checkbox"/> Buffered Bike Lane                                 | <input checked="" type="checkbox"/> Detached Sidewalk with 4' min. buffer     |
| <input type="checkbox"/> Protected Bike Lane                                | <input type="checkbox"/> Signalized Crossing                                  |
| <input type="checkbox"/> Shared-use path (10' min.)                         | Other:  |
| <input checked="" type="checkbox"/> Sidewalk (5' min.)                      | <input style="width: 400px; height: 20px;" type="text"/>                      |
| <input type="checkbox"/> Planning Study                                     |   |

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

- |  |   |
|--|---|
| <input type="checkbox"/> Bridge (overpass)                 | Other:  |
| <input type="checkbox"/> Tunnel (underpass)                | <input style="width: 400px; height: 20px; text-align: center;" type="text" value="none"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK |   |
| <input type="checkbox"/> Countdown Pedestrian Signal       |   |

4. What amenities are included in this project?

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

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

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

Idaho Road is a major collector with over 2800 ADT. Idaho Road has several areas where there are gaps in sidewalks and bike lanes. Located on Idaho Road is an elementary school, Boys and Girls Club, the public library, the multigenerational center, rodeo grounds, and community park which all serve youth and city residents. Access to these facilities is restricted due to the connectivity concerns. The city of Apache Junction does not have transit thus pedestrian and bicycle access is critical for many Apache Junction residents. Safety is of major concern in this area especially surrounding the elementary school. Presently there is a dirt shoulder across from the school. This no parking area is used by many of the parents who choose to illegally park and wait for their children to unsafely cross the road before and after school. The installation of sidewalks, curb & gutter will eliminate the shoulder access for these parents enforcing the no parking rule and forcing them to enter the school property for safe student pick-up.

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

The City of Apache Junction proposes to install 5' sidewalks, curb & gutter and 5' asphalt bike lanes with curb & gutter along Idaho Road between Superstition Blvd and McKellips Road to provide connectivity. However, the city will not include any sidewalks or bike lanes along the east side of Idaho between Superstition Blvd and Tepee due to existing infrastructure and state land restrictions. Lighting will also be installed to provide safe illumination for sidewalk use in the evening hours thus extending the safe access to the neighborhood facilities. A crosswalk will be installed in front of the public library to provide additional safe crossing for pedestrians along this stretch of the roadway.

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

Providing connectivity and increasing access through walking and biking is a top priority for the city of Apache Junction. The city has taken steps over recent years to increase the walkability and bikeability of our community through infrastructure improvements and planning processes. The city was recently awarded funding to complete an Active Transportation Plan through MAG. Idaho Road is a major collector road which has many community amenities, educational facilities and employment/commercial centers where access is essential to daily living. The installation of this infrastructure will provide for increased access, connectivity, and improved safety.

8. Safety improvements to be included for this project: (Check all that apply)

- |                                     |   |                    |
|-------------------------------------|---|--------------------|
| <input type="checkbox"/>            | Medians with pedestrian crossing islands      | Other<br>crosswalk |
| <input type="checkbox"/>            | Roadway Reconfiguration (Road Diet)           |                    |
| <input type="checkbox"/>            | Striping/re-striping to narrow vehicle lanes  |                    |
| <input checked="" type="checkbox"/> | Color pavement or similar treatment           |                    |
| <input checked="" type="checkbox"/> | Lighting                                      |                    |
| <input type="checkbox"/>            | Landscape buffer between sidewalk and roadway |                    |
| <input type="checkbox"/>            | Rectangular Rapid Flash Beacon (RRFB)         |                    |
| <input type="checkbox"/>            | Driver Feedback Sign                          |                    |

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

- Yes  
 No

Please Explain:

With the installation of sidewalks, curb & gutter adjacent to the elementary school, parents will require information to illustrate safe pickup and drop off procedures. The city will work with the school district to develop a plan.

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

Presently parents illegally park on the dirt shoulder of Idaho Road across from the elementary school where no parking signs are located. Children then cross the road to be collected by their parents who ignore safety information. With the installatin of sidewalks, curb & gutter, parents will no longer be able to park in this area. Thus providing safe passage of children. In addition, the installation of designated sidewalks, bike lanes, lighting, and a crosswalk will provide for additional safety for pedestrians and bicyclists.

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

ADA compliant sidewalks will provide improved access for persons with disabilities to area amenities, employment, medical care, education, and commerical centers. The community senior center is on Idaho Road. Sidewalks will increase the access to this critical service.

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

Idaho Road has several residential neighborhoods adjacent to the project area. This area has an estimated 5,204 residents. Many of the city's low income residents live within this area. The city does not have public transportation so walking and biking are the primary transportation options.

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

Idaho Road is within the city's downtown center. The downtown area has developed since 2010 to create a sense of place and improve access to this area. Walkability and bikability helps to create a more desirable place to live, work and play.

14. Connectivity: (Check all that apply)

Project fills a gap in the system  
 Explain:  
 sidewalks on the west side of Idaho have several gaps.

Project connects to other local bikeways  
 List of connected bikeways:  
 bike paths are located to the south of the project area.

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

5 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.

0 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.

0 Within 1/2 mile  
 List routes and frequency:  
 \_\_\_\_\_

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

0 Within 1/2 mile  
 List:  
 \_\_\_\_\_

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

16 Within 1/2 mile

List:

Public library, multigenerational center, senior center, community park (4), rodeo grounds, splash pad, public health facility, soup kitchen, food bank, Horizon Health and Wellness, WIC office, Head Start, and social security.

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):

8 Within 1/2 mile

List:

City of Apache Junction city hall complex, Pinal County complex, social security office, post office, motor vehicle, Fry's Shopping Center, Horizon Health Center, Arroyo Plaza.

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

1 Within 1/2 mile

List:

Four Peaks Elementary School

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

1 Within 1/2 mile

List:

Head Start

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):

12 Within 1/4 miles

List:

Public library, multigenerational center, senior center, public health facility, city hall, medical plaza, health center, county complex, post office, social security, soup kitchen, food bank.

4 1/4 miles to 1/2 miles

List:

Grocery shopping center, community parks (3)

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom Summary." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census block groups adjacent to your project, left-clicking where needed to change the direction of the line. Double-click to finish drawing the line. The selected census block groups will become highlighted in blue. A pop-up box will appear with "Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the printer icon at the top-right side of the pop-up window) for your records.

24. Please provide the following information on the facility on which the improvement will be located.

For a linear project, please enter the Facility Name, Starting Limit and Ending Limit:

For a point project (e.g. an intersection or crossing), please enter a Facility Name and a Crossing Feature:

Federal Functional Classification of the Facility:

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

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology and Source used for the ADT Estimate

26. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete.

Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

27. Current ROW: (Check all that apply)

Agency owns all ROW Needed  
 ROW to be acquired  
 Owners will donate ROW

Agency owns easement  
 Agency has right-of-use (i.e. canal)  
 Condemnation may be required

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

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

Yes

No

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

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

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

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	<input type="text" value="Other:&lt;br/&gt;City of Apache Junction and MAG construction guidelines."/>
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	
<input type="checkbox"/>	MAG Complete Streets Guide	
<input type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input type="checkbox"/>	MAG Valley Path Brand & Wayfinding Signage Guidelines	
<input checked="" type="checkbox"/>	NACTO Urban Bikeway Design Guide	
<input type="checkbox"/>	RPTA Bus Stop Program and Standards	

33. Jurisdiction has the following policies for improved bicycle/shared use facilities:

With new development and capital improvement projects, bike lanes on arterial streets are:	<input type="text" value="Required"/>
With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Required"/>
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<input type="text" value="Recommend"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Required"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="Yes"/>
Complete Streets Policy	<input type="text" value="No"/>

34. The project is: (Check one)

<input checked="" type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <input type="text" value="Capital Improvement Plan for 2022-2023, General Plan 2010"/>
<input type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <input type="text"/>
<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <input type="text"/>

Apache Junction : Idaho Road Pedestrian and Bicycle Improvements

**PART B-DETAILED PROJECT DESCRIPTION**

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

Success will be measured by bike counters illustrating an increase in ridership as well as public comment.

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?

Automatic bike counters will be purchased and installed with this project.

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.

Yes, the City of Apache Junction public information office will work with the Apache Junction School District to share safety information and infrastructure changes with families at the Four Peaks Elementary School. In addition, the city will host public meetings to advise the public of the installation of the sidewalks and bike paths in the area.

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

No

<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>

Apache Junction: Idaho Road Pedestrian and Bicycle Improvements

**PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM**

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

<b>Sponsoring Agency:</b>	City of Apache Junction	<b>Project Title:</b>	Idaho Road Pedestrian and Bicycle Improvements	<b>Application Date:</b>	9/25/2017
---------------------------	-------------------------	-----------------------	--	--------------------------	-----------

Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)		
<b>A. Scoping (15% Preliminary Engineering Design)</b>	1. SITE TOPOGRAPHIC SURVEY	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00			
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00			
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00			
	4. HAZMAT ASSESSMENT	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00			
	<b>Subtotal Scoping (Part A)</b>				<b>\$65,000.00</b>		<b>\$0.00</b>	<b>\$65,000.00</b>			
<b>B. Final Preliminary Engineering Design - Stages II, III, IV And PS&amp;E</b>	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$150,000.00	\$150,000.00	No	\$0.00	\$150,000.00			
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00			
	3. DRAINAGE REPORT	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00			
	4. SWPPP	LS	1	\$8,000.00	\$8,000.00	No	\$0.00	\$8,000.00			
	<b>Subtotal PE (Part B)</b>				<b>\$178,000.00</b>		<b>\$0.00</b>	<b>\$178,000.00</b>			
<b>Subtotal Preliminary Engineering (Part A + Part B)</b>					<b>\$243,000.00</b>		<b>\$0.00</b>	<b>\$243,000.00</b>			
<b>C. Right-of-Way Acquisition</b>	1. Right-of-Way Acquisition	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00			
<b>Subtotal Right-of-Way Acquisition (Part C)</b>					<b>\$0.00</b>		<b>\$0.00</b>	<b>\$0.00</b>			
<b>D. Utility Relocation</b>	1. Utility Relocation	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00			
<b>Subtotal Utility Relocation (Part D)</b>					<b>\$0.00</b>		<b>\$0.00</b>	<b>\$0.00</b>			
<b>E. Construction Or Implementation</b> [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00	
		Site Preparation		LS	1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00	
		Demolition	Sawcut		LF	14,130	\$2.00	\$28,260.00	Yes	\$26,649.18	\$1,610.82
			Remove Structures and Obstructions		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Fencing		LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Asphaltic Concrete Pavement		CY	250	\$7.50	\$1,875.00	Yes	\$1,768.13	\$106.88
			Remove Concrete Sidewalks, Slabs		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Hazmat Abatement		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Retaining Wall - Reinforced Concrete Cantilevered		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Earthwork	General Excavation		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Drainage Excavation		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	2,250	\$12.00	\$27,000.00	Yes	\$25,461.00	\$1,539.00	
		Aggregate Base		CY	8,472	\$30.00	\$254,150.00	Yes	\$239,663.45	\$14,486.55	
		Pathway Or Sidewalk Materials	Concrete		SF	11,250	\$5.00	\$56,250.00	Yes	\$53,043.75	\$3,206.25
			Colored Concrete		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete		Ton	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Polymer or Resin Stabilized Surface		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
Crosswalk Enhancement	Concrete Pavers		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	Stamped Asphalt		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	Stamped Concrete		SF	120	\$30.00	\$3,600.00	Yes	\$3,394.80	\$205.20		
	Concrete		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	Integral Color Concrete		SF	480	\$18.00	\$8,640.00	Yes	\$8,147.52	\$492.48		
Pedestrian ADA Ramp		SF	5	\$2,500.00	\$12,500.00	Yes	\$11,787.50	\$712.50			
Culvert Extensions		LF	10	\$100.00	\$1,000.00	Yes	\$943.00	\$57.00			
Pedestrian Lighting Including Conduit And Trenching		Each	10	\$7,500.00	\$75,000.00	Yes	\$70,725.00	\$4,275.00			

Apache Junction: Idaho Road Pedestrian and Bicycle Improvements

**PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM**

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

<b>Sponsoring Agency:</b>	City of Apache Junction	<b>Project Title:</b>	Idaho Road Pedestrian and Bicycle Improvements	<b>Application Date:</b>	9/25/2017
---------------------------	-------------------------	-----------------------	--	--------------------------	-----------

Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
	Handrail	Standard	LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Decorative	LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
	Subtotal Hardscape Construction					\$478,275.00		\$451,013.33	\$27,261.68

Apache Junction: Idaho Road Pedestrian and Bicycle Improvements

**PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM**

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

<b>Sponsoring Agency:</b>	City of Apache Junction	<b>Project Title:</b>	Idaho Road Pedestrian and Bicycle Improvements	<b>Application Date:</b>	9/25/2017
---------------------------	-------------------------	-----------------------	--	--------------------------	-----------

Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Requirements	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Trees (15 Gallon Size)	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Trees (5 Gallon Size)	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (5 Gallon Size)	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (1 Gallon Size)	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Cactus (5 Gallon Size)	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Mulch	Decomposed Granite	CY	11,250	\$4	\$45,000	Yes	\$42,435	\$2,565
			Organic	CY	1	\$0	\$0	Yes	\$0	\$0
		Topsoil		CY	1		\$0	Yes	\$0	\$0
		Seeding		Acre	1		\$0	Yes	\$0	\$0
		Turf Sod		SY	1		\$0	Yes	\$0	\$0
		Boulders		Each	1		\$0	Yes	\$0	\$0
		Irrigation System	Drip	SF	1	\$0	\$0	Yes	\$0	\$0
			Turf	SF	1	\$0	\$0	Yes	\$0	\$0
		Sleeving For Irrigation System	Directional Bore	LF	1	\$0	\$0	Yes	\$0	\$0
			Cut and Patch	LF	1	\$0	\$0	Yes	\$0	\$0
		Landscape Header Curb		LF	1	\$0	\$0	Yes	\$0	\$0
	Landscape Establishment		LS	1	\$0	\$0	Yes	\$0	\$0	
	Subtotal Landscaping & Irrigation Items					\$45,000		\$42,435	\$2,565	
	3. Site Furnishings	Benches	Each	1	\$0	\$0	Yes	\$0	\$0	
		Seatwalls	LF	1	\$0	\$0	Yes	\$0	\$0	
		Bike Racks	Each	1	\$0	\$0	Yes	\$0	\$0	
		Trash Receptacles	Each	1	\$0	\$0	Yes	\$0	\$0	
		Drinking Fountains	Each	1	\$0	\$0	Yes	\$0	\$0	
		Signage (Standard Traffic Control)	Each	1	\$0	\$0	Yes	\$0	\$0	
		Signage (Wayfinding)	Each	1	\$0	\$0	Yes	\$0	\$0	
		Tree Grates	Each	1	\$0	\$0	Yes	\$0	\$0	
		Subtotal Site Furnishings					\$0		\$0	\$0
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter	Each	3	\$3,000	\$9,000	Yes	\$8,487	\$513	
				1		\$0	Yes	\$0	\$0	
				1		\$0	Yes	\$0	\$0	
				1		\$0	Yes	\$0	\$0	
				1		\$0	Yes	\$0	\$0	
			1		\$0	Yes	\$0	\$0		
			1		\$0	Yes	\$0	\$0		
			1		\$0	Yes	\$0	\$0		
Subtotal Other Construction					\$9,000		\$8,487	\$513		
5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$53,228	\$53,228	No	\$0	\$53,228		
	Traffic Control	LS	1	\$79,841	\$79,841	Yes	\$75,290	\$4,551		
	Construction Survey & Layout	LS	1	\$53,228	\$53,228	Yes	\$50,194	\$3,034		
	Construction Contingencies	LS	1	\$79,841	\$79,841	Yes	\$75,290	\$4,551		
	Construction Administration	LS	1	\$53,228	\$53,228	Yes	\$50,194	\$3,034		
Subtotal Mobilization & Administration Costs					\$319,366		\$250,968	\$68,398		
<b>Subtotal Construction Or Implementation Cost (Part E)</b>					<b>\$851,641</b>		<b>\$752,903</b>	<b>\$98,738</b>		
<b>F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)</b>					<b>\$1,094,641</b>		<b>\$752,903</b>	<b>\$341,738</b>		

Apache Junction: Idaho Road Pedestrian and Bicycle Improvements

**PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM**

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

<b>Sponsoring Agency:</b>	City of Apache Junction	<b>Project Title:</b>	Idaho Road Pedestrian and Bicycle Improvements	<b>Application Date:</b>	9/25/2017
---------------------------	-------------------------	-----------------------	--	--------------------------	-----------

Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
G.	Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,0000				\$30,000	No	\$0	\$30,000	
H.	Total Project Cost Including ADOT Fees (Part F + Part G)				\$1,124,641		\$752,903	\$371,738	

Apache Junction: Idaho Road Pedestrian and Bicycle Improvements

**PART E - TOTAL PROJECT SCHEDULE AND BUDGET**

Please verify that the cost and programming estimates for the total project are correct below. The numeric values on this sheet (in GREY) are automatically populated from the cost estimate sheet (Part D) and cannot be modified. If there are any errors in the numeric values on this sheet, please verify and correct the numbers you have entered into the cost estimate sheet (Part D). You MUST fill in the GREEN portions of Part E manually.

The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in questions 24-27 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)
1. ADOT Fee	\$30,000	
2. Design	\$243,000	
3. Right of way	\$0	
4. Utilities	\$0	
5. Construction	\$771,800	
6. Contingency	\$79,841	No more than 20% of Construction Cost
7. Total Cost	\$1,124,641	

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

9. Expected Annual Maintenance Cost 8,000

10. Identify Source of Maintenance Funds HURF

Requested MAG Programming	Year	Short Work Description (E.g. Construct Multiuse Path)	Local Funding Source	Local Cost	Federal Cost	Total Cost	Local Share
11. Design (Optional)	2019	design	General Fund	\$243,000	Not Available	\$243,000	100.0%
12. Right of way (Optional)				\$0	Not Available	\$0	
13. Utilities (Optional)				\$0	Not Available	\$0	
14. Other (Optional)	2020	ADOT construction fee	HURF	\$30,000	Not Available	\$30,000	100.0%
15. Construction	2021	Construction	HURF	\$48,544	\$803,097	\$851,641	5.7%
16. Total Costs				\$321,544	\$803,097	\$1,124,641	28.6%

**PART F - SIGNATURE AND CHECKLIST**

**Checklist**

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

	<b>Complete?</b>
<b>COVER SHEET</b>	<b>Complete?</b>
Cover Sheet is completely filled out	Yes
<b>PART A - Contacts and Project Description Fields</b>	<b>Complete?</b>
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
<b>PART B - Project Description</b>	<b>Complete?</b>
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
<b>PART C - Required Attachments</b>	<b>Complete?</b>
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
<b>PART D - Cost Estimate Worksheet</b>	<b>Complete?</b>
Sponsoring Agency, Project Title, and Application Date are complete	Yes
Part A - Scoping is complete	Yes
Part B - Final Preliminary Engineering Design is complete	Yes
Part C - Right-of-Way Acquisition is complete	Yes
Part D - Utility Relocation is complete	Yes
Part E - Construction or Implementation is complete	Yes
Parts F, G, and H - Costs are complete and accurate	Yes
<b>PART E - Total Project Schedule and Budget Including All Segment Fields</b>	<b>Complete?</b>
Fields 1 – 7 are complete and costs are accurate	Yes
Field 8 - 10 are complete	Yes
Fields 11 – 15 Years are complete	Yes
Fields 11 – 15 Local Funding Sources are complete	Yes
Fields 11 – 15 Local Costs are complete and accurate	Yes

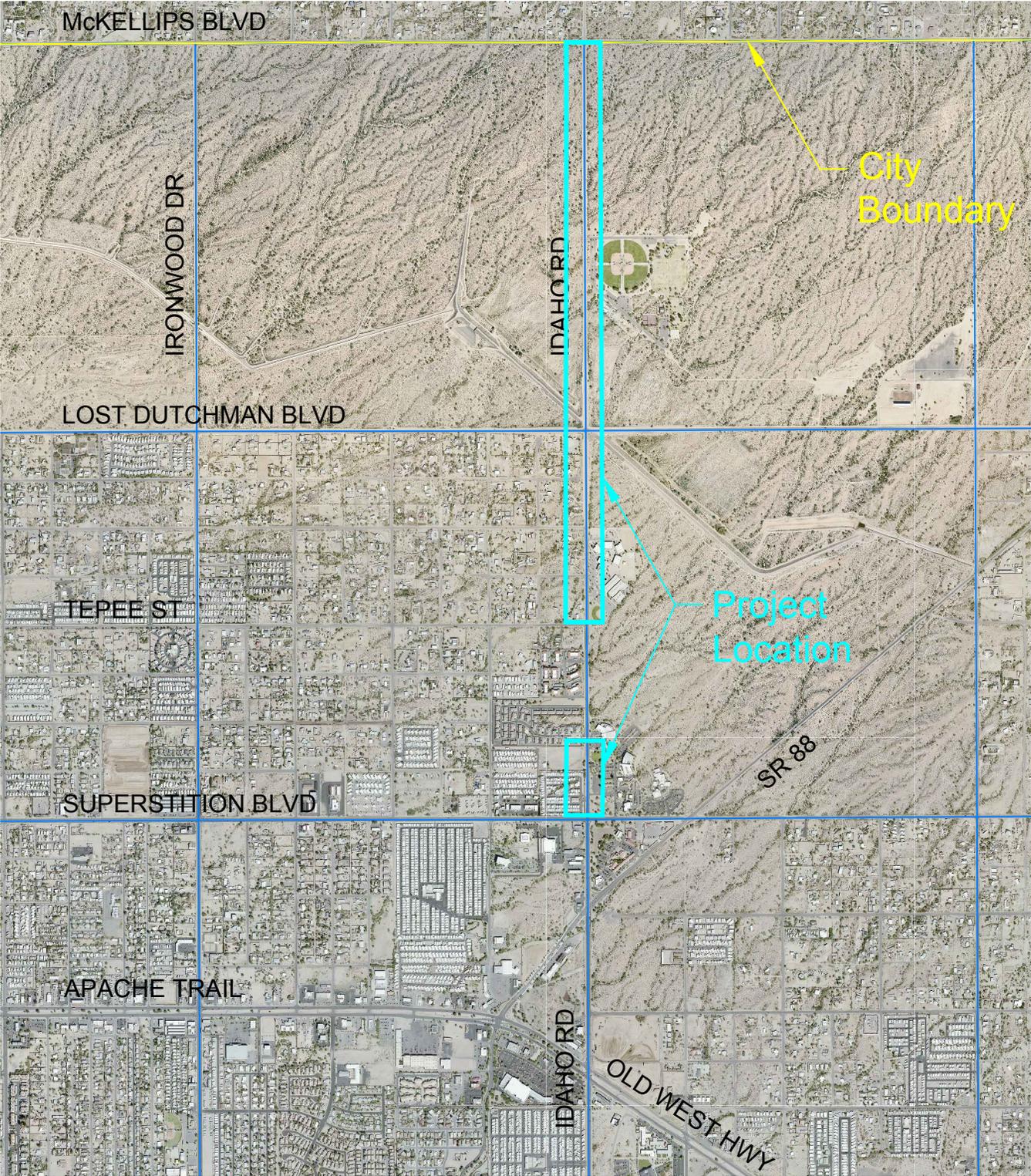
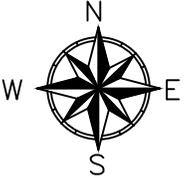
Field 11 - 15 Federal Costs are complete and accurate	Yes
Field 16 Total Costs are complete and accurate	Yes
<b>PART F - Signature and Checklist</b>	<b>Complete?</b>
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager/administrator or designated representative.	Yes
Name, title and date fields under the signature are completed.	Yes

## SIGNATURE(S):

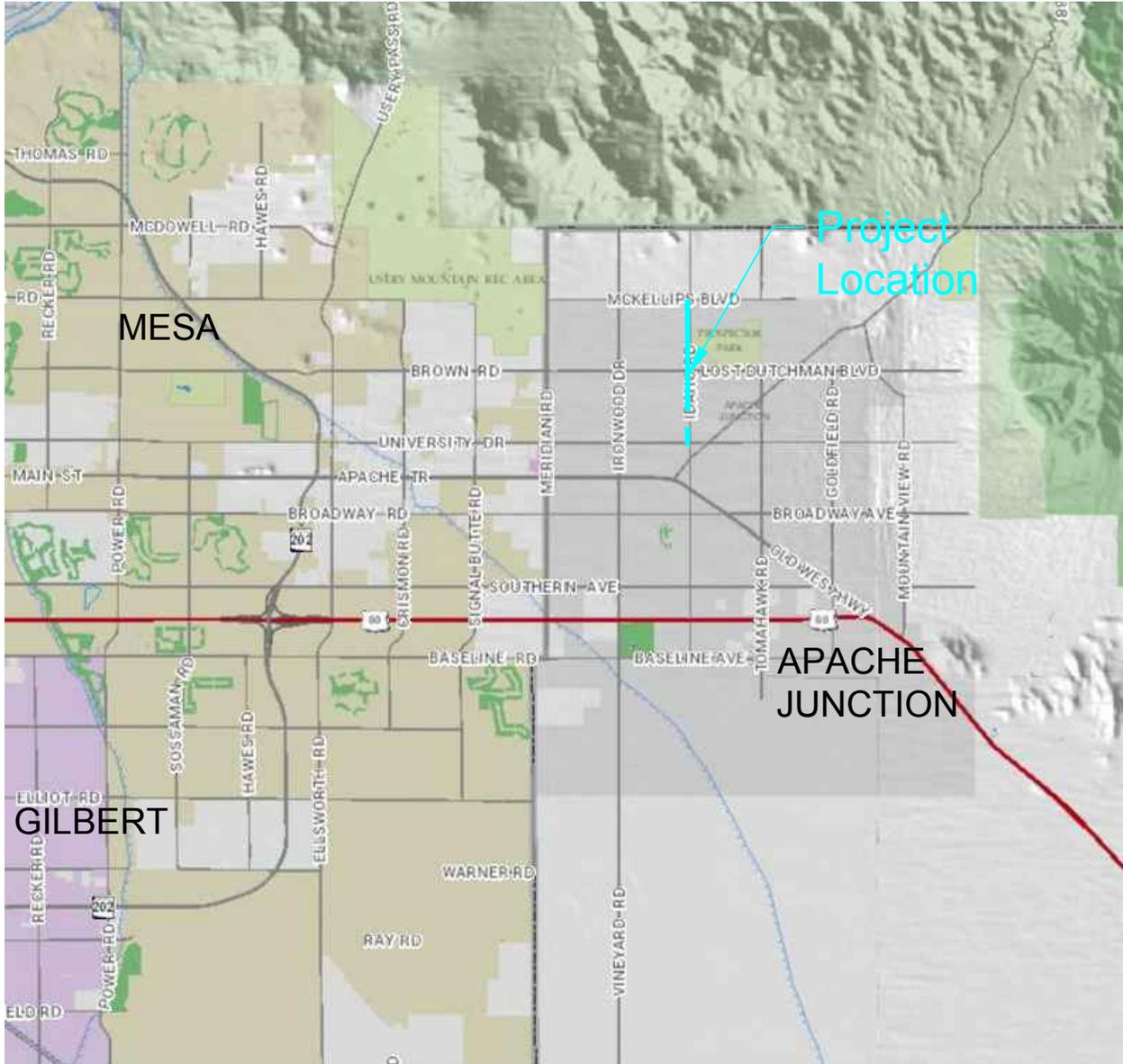
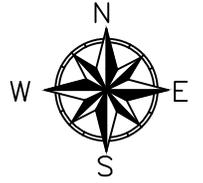
As the MAG member agency's manager/administrator or designated representative, I certify that this application is accurate and complete and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal funding.

Signature:	
Name:	Mike Wever
Title:	Public Works Director
Date:	9/21/2017

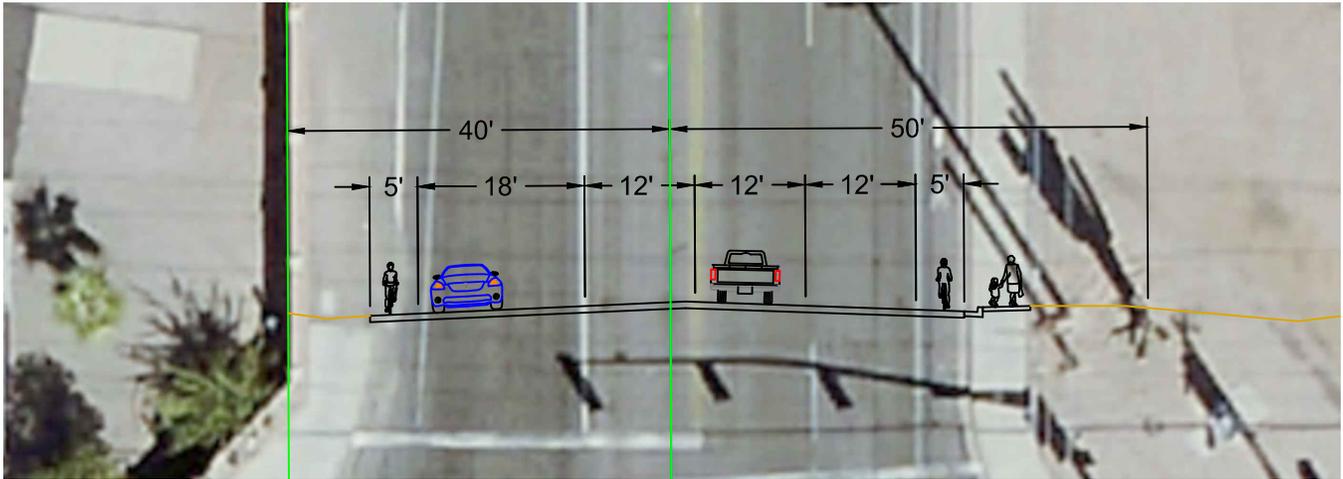
# PROJECT LOCATION MAP



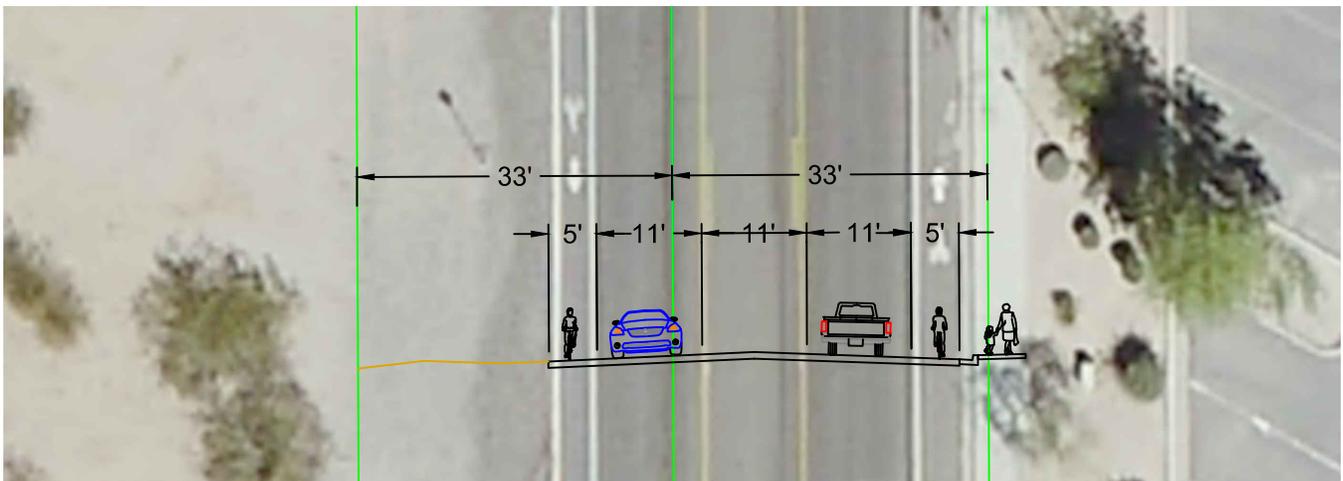
# VICINITY MAP



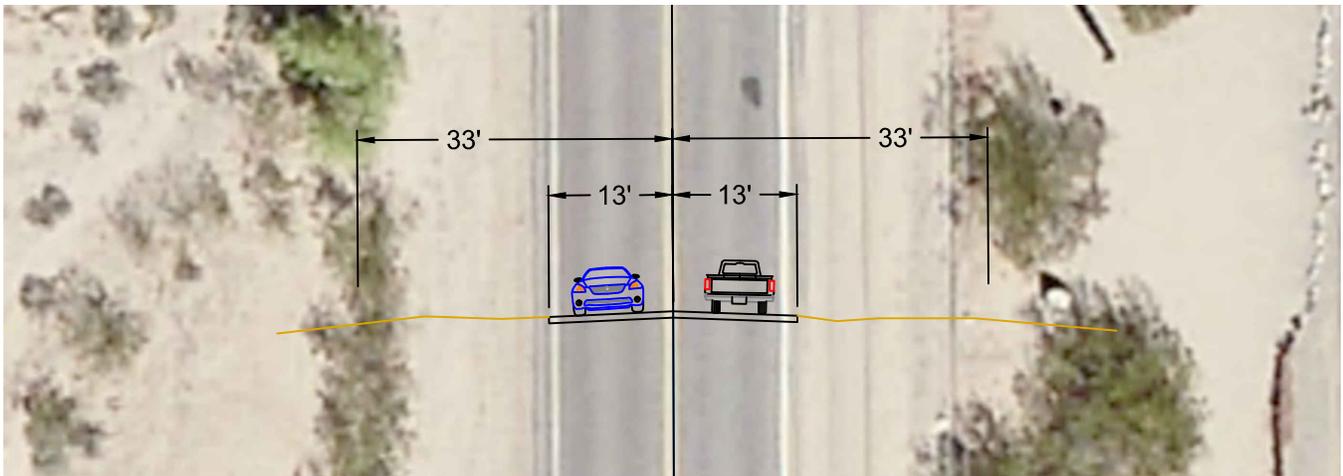
# CURRENT CROSS SECTIONS



Idaho Road from Superstition Boulevard to Tepee Street  
Existing Conditions: 1-18' Lane, 3-12' Lanes, and 2-5' Bicycle Lanes

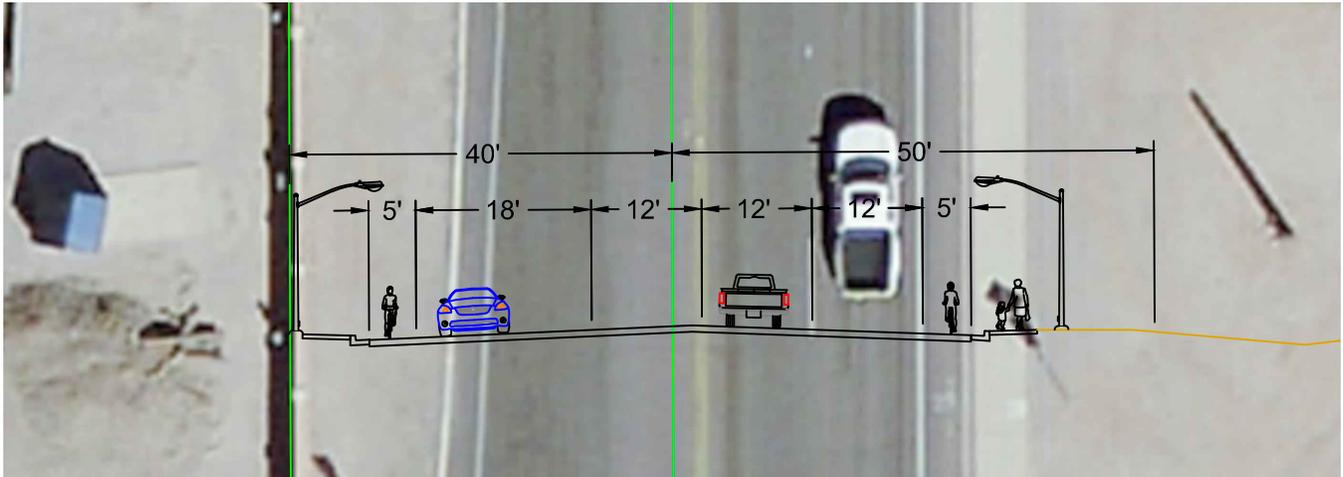


Idaho Road from Tepee Street to Foothills Street  
Existing Conditions: 3-11' Lanes and 2-5' Bicycle Lanes

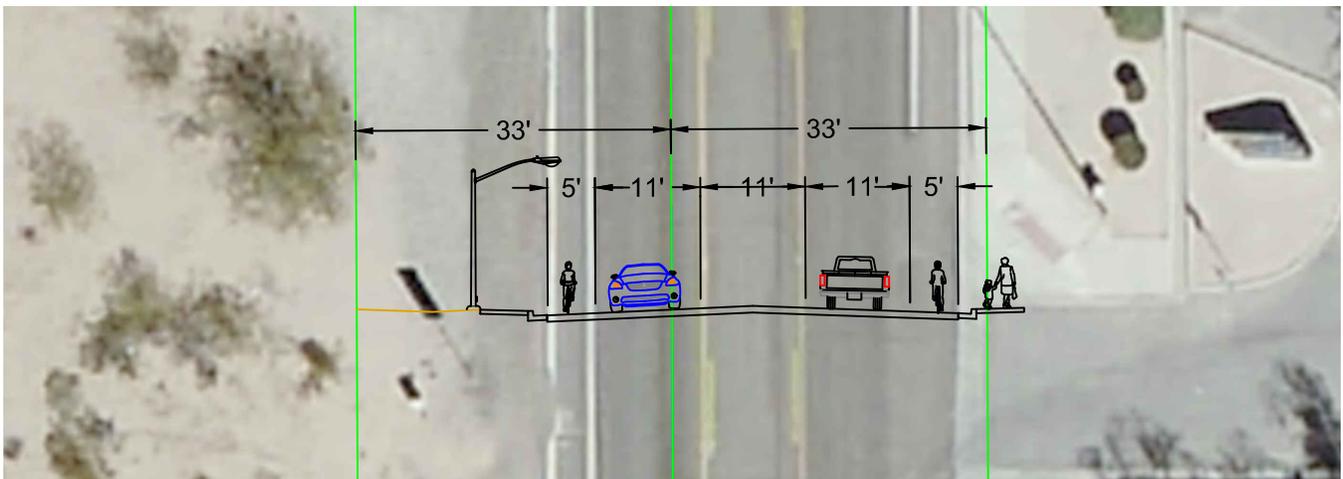


Idaho Road from Foothills Street to McKellips Boulevard  
Existing Conditions: 2-13' Lanes

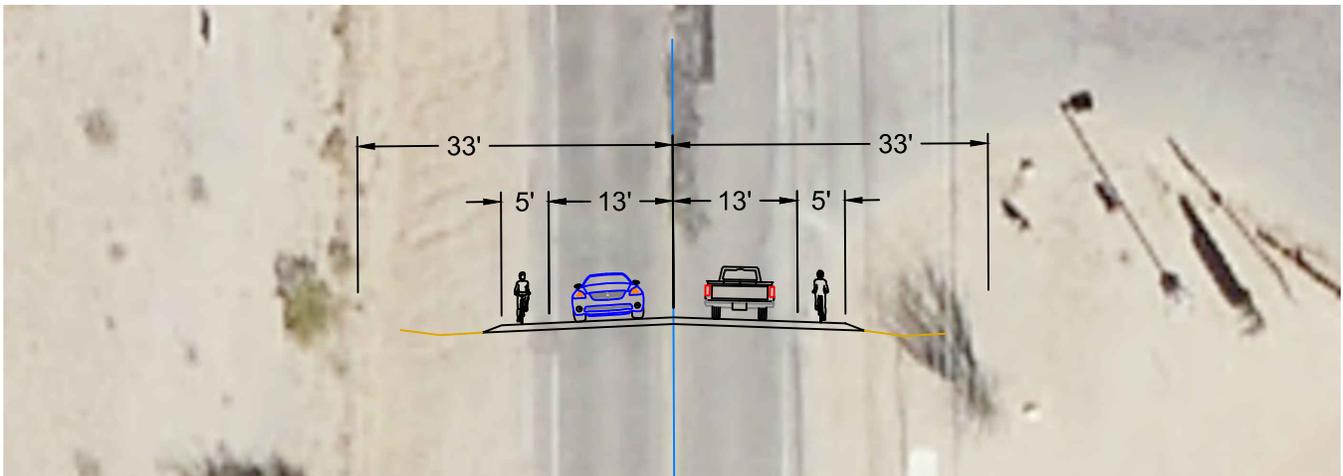
# PROPOSED CROSS SECTIONS



Idaho Road from Superstition Boulevard to Tepee Street  
Proposed Conditions: 5' Sidewalk, Curb & Gutter, Crosswalk, and Street Lights



Idaho Road from Tepee Street to Foothills Street  
Proposed Conditions: 5' Sidewalk, Curb & Gutter, and Street Lights (West Side)



Idaho Road from Foothills Street to Lost Dutchman Boulevard  
Proposed Conditions: Addition of 2-5' Paved Bicycle Lanes



No sidewalks or bike lanes approaching the elementary school



Illustrating a gap in sidewalks adjacent to a low income housing tax credit project and across the street from the public library, community park, Multigenerational Center, senior center, police department and city hall complex.



The proposed crosswalk at the public library.



Illustrating the illegal parking at the elementary school which would be eliminated with curb, gutter and sidewalk.