



Transportation Alternatives Application for  
FY 2015, 2016, and 2017 Projects

**APACHE TRAIL MEDIAN IMPROVEMENTS**

**CITY OF APACHE JUNCTION**

**APPLICATIONS ARE DUE AT MAG OFFICES BY  
Tuesday, October 22, 2013 at 10:00 a.m.**

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

Apache Junction: Apache Trail Median Improvements

<b>PART A - CONTACT AND PROJECT DESCRIPTION</b>	
<b>Contact Information</b>	
1. Name of Sponsoring Agency	Apache Junction
2. Agency Contact Name	Raquel Schatz
3. Phone Number of Agency Contact	(480) 474-8549
4. E-Mail Address of Agency Contact	<a href="mailto:rschatz@ajcity.net">rschatz@ajcity.net</a>
5. Mailing Address of Agency Contact	575 E. Baseline Avenue, Apache Junction, AZ 85119
<b>Project Description</b>	
6. Please provide the Project Title.	Apache Trail Median Improvements
7. Please provide a concise, specific description of the project (250 character limit):	
<p>This is a median improvement project which will minimize the width of the existing median by 12' for installation of 2-6' bicycle lanes as well as an intersection improvement project to protect pedestrians from crossing multiple obstacles.</p>	
8. Please provide the project limits:	
<p>The median improvements will be along Apache Trail between Idaho Road (SR88) and Thunderbird Drive. And the intersection improvement will be at the intersection of Phelps Drive and Apache Trail.</p>	
<b>Safe Routes to School (if project is NOT a Safe Routes to School project, proceed to Part B)</b>	
9. School Name	
10. School Address	
11. School City, State, ZIP Code	

**PART B-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 12-13 and 15-18, 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. What type of project is this? (Check only one)

<input type="checkbox"/>	Bicycle lane (4' min. w/o curb/gutter)	<input type="checkbox"/>	Wide Sidewalk (8' min.)
<input checked="" type="checkbox"/>	Bicycle lane (5' min. with curb/gutter)		
<input type="checkbox"/>	Shared-use path (10' min.)		Other:
<input type="checkbox"/>	Detached Sidewalk with 4' min. buffer	<input type="text"/>	
<input type="checkbox"/>	Sidewalk (5' min.)		

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

<input type="checkbox"/>	Bridge (overpass)	<input type="checkbox"/>	Number of new openings in street walls
<input type="checkbox"/>	Tunnel (underpass)	<input type="checkbox"/>	Number of Trees
<input type="checkbox"/>	Safe Routes to School	<input type="checkbox"/>	Number of Shade Structures
<input checked="" type="checkbox"/>	Signalized Crossing	<input type="checkbox"/>	Number of Seating/Rest Area(s)
<input type="checkbox"/>	Signalized midblock crossing/HAWK	<input type="checkbox"/>	Number of bicycle/pedestrian counting devices
<input type="checkbox"/>	Countdown Pedestrian Signal		
<input type="checkbox"/>	Number of Bike racks/lockers		Other:
<input type="checkbox"/>	Number of Drinking Fountains	<input type="text"/>	
<input type="checkbox"/>	Number of Way-finding Signs		
<input type="checkbox"/>	Number of Trash receptacles		

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

Curb and Gutter is non existant along the median of Apache Trail, which allows vehicles to cut through the median putting pedestrians at harm. The width of the median varies throughout the entire corridor. The current storage length for pedestrians, bicyclists, and vehicles to cross are not per any standard or regulation and are very under sized. The intersection of Phelps Drive and Apache Trail, the crosswalks are not aligned, the location of the man ped poles are not within distance of pedestrian refuge area, as well as the sidewalk ramps not being in ADA compliance.

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

Contract the median width by 12', 6' on both sides to include bicycle lanes, install curb around the median to provide a refuge area for pedestrians, and to provide proper storage length. At the intersection of Phelps and Apache Trail, this part of the improvement will re-align the crosswalks so that they are perpendicular instead of skewed, include detectable warning system, updating the crossings so that they are vibratory, audible and tactile.

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

Pedestrian safety, multi-modal access, and restrict vehicular traffic.

6. Please provide a site safety / crash history, and provide a source for this information.

Please describe any car-bicycle and car-pedestrian crashes on streets within 2-mile radius of the project (within the last 5 years). You may attach crash reports or summarize their results below.

The City of Apache Junction has requested crash data for this project through MAG. As crash data will not be available prior to the TA application deadline, MAG will provide the crash data as an attachment prior to releasing the application to the evaluation panel for review.

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

<input type="checkbox"/>	Wide bike lanes (6'-7')	<input type="text"/>	Buffer Zone, Width
<input type="checkbox"/>	Wide sidewalk (8' min.)		varies
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		
<input checked="" type="checkbox"/>	Signalized crossing/Ped countdown/HAWK		Other
<input type="checkbox"/>	Lighting	<input type="text"/>	
<input checked="" type="checkbox"/>	Striping/re-striping of roadway		
<input type="checkbox"/>	Countdown signals		

<b>PART B-PROJECT DESCRIPTION</b>	
8. How does this project improve upon an existing safety issue?	<div style="border: 1px solid black; padding: 5px;">                     Vehicles sometimes use the open medians to turn around, installation of curb and gutter as well adequate storage lengths will provide vehicles with adequate space to properly maneuver and at the same time provide safety for the pedestrian crossings. At the intersection, the improvements will help pedestrians safely cross the intersection.                 </div>
9. How does the project improve ADA facilities for persons with disabilities?	<div style="border: 1px solid black; padding: 5px;">                     The audible, tactile, and vibratory features installed at the intersection will help many people with different kinds of disabilities.                 </div>
10. How does the project create a sense of place?	<div style="border: 1px solid black; padding: 5px;">                     The project will clearly define and delineate multi-modal locations in the road corridor.                 </div>
11. Connectivity: (Check all that apply)	<div style="border: 1px solid black; padding: 5px;"> <input type="checkbox"/> Project fills a gap in the system                      Explain:  <div style="border: 1px solid black; height: 15px; width: 100%;"></div>   <input checked="" type="checkbox"/> Project connects to other local bikeways                      List of connected bikeways:  <div style="border: 1px solid black; padding: 2px;">                         This project will extend bikeways from the East into town for a 1/2 mile.                     </div>   <input type="checkbox"/> Multi Jurisdiccional Project                      List of Participating Jurisdictions:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div>   <input type="text" value="4"/> Total length of facilities connected by this project (in miles)                 </div>
12. 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.	<div style="border: 1px solid black; padding: 5px;"> <input type="text" value="0"/> Within 1/2 mile                      List routes and frequency:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </div>
13. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:	<div style="border: 1px solid black; padding: 5px;"> <input type="text" value="0"/> Within 1/2 mile                      List:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </div>
14. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:	<div style="border: 1px solid black; padding: 5px;">                     Provides more bicycle lane facilities.                 </div>

<b>PART B-PROJECT DESCRIPTION</b>	
15. Number of activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:	
<input type="text" value="3"/> Within 1/2 mile List: <input type="text" value="Central Arizona College, Charter School, and Chamber of Commerce"/>	
16. 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):	
<input type="text" value="25"/> Within 1/2 mile List: <input type="text" value="QT, Walgreens, Frys, CVS, Gas Station, Hardware Store, Restaurants, Bank, Car Dealership, Post Office"/>	
17. Number of K-8 public schools this project will benefit:	
<input type="text" value="0"/> Within 1/2 mile List: <input type="text"/>	
18. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:	
<input type="text" value="2"/> Within 1/2 mile List: <input type="text" value="Central Arizona College, Apache Trail High School"/>	
19. What are the demographics of the area served:	
<input type="text" value="126"/> People Per Square Mile  <input type="text" value="21.4"/> % Families in Poverty	<p style="text-align: center;"><a href="#">MAG Demographic Mapping</a></p> <p>Use the MAG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom." 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 "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.</p>

**PART B-PROJECT DESCRIPTION**

20. 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:

Apache Trail between Thunderbird Drive and Idaho Road

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

Apache Trail and Phelps Drive Intersection

Federal Functional Classification of the Facility:

Major Arterial

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

Type of Facility the Improvement will be located on:

Collector Road

0.625 Length (in Miles)

40 Posted Speed Limit (MPH)

6 Number of Travel Lanes

21. Please provide an estimated traffic volume (ADT) below. If project is not on a road (ex. Canal path), use nearest parallel arterial.

6,892 ADT Estimate

9/5/12 Date Counted

Name of road the traffic count was taken from

Old West Highway and Idaho Road

Description of Methodology and Source used for the ADT Estimate

Pneumatic road tubes

22. 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.

There are no known concerns. Work is to be completed in a previously disturbed right-of-way.

23. 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

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

All work is to be completed within the city's right-of-way

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

- No Utility in or abutting the alignment
- Canals & Drainage
- Power Lines & Cables
- Pipelines, Sewer and Water

Private Structures

Other:

PART B-PROJECT DESCRIPTION																					
26.	Please describe any utility conflicts that will need to be addressed.  <div style="border: 1px solid black; padding: 5px; min-height: 60px;">Water, Storm Drain, Sewer and Gas maybe present in the median.</div>																				
27.	Guidelines used to develop project: (Check all that apply)  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input checked="" type="checkbox"/></td> <td style="width: 40%;">AASHTO Guide for Bicycle Facilities</td> <td style="width: 10%;"></td> <td style="width: 35%;">Other:</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>MAG Pedestrian Policies and Design Guidelines</td> <td></td> <td rowspan="5" style="border: 1px solid black; padding: 5px; vertical-align: top;">MAG Standards and Specifications and the City of Apache Junction Engineering Design Guidelines and Policies Manual.</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>MAG Complete Streets Guide</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>MAG Designing Transit Accessible Communities</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>NACTO Urban Bikeway Design Guide</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>RPTA Bus Stop Program and Standards</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities		Other:	<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines		MAG Standards and Specifications and the City of Apache Junction Engineering Design Guidelines and Policies Manual.	<input checked="" type="checkbox"/>	MAG Complete Streets Guide		<input type="checkbox"/>	MAG Designing Transit Accessible Communities		<input type="checkbox"/>	NACTO Urban Bikeway Design Guide		<input type="checkbox"/>	RPTA Bus Stop Program and Standards	
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<input type="checkbox"/>	RPTA Bus Stop Program and Standards																				
28.	Jurisdiction has the following policies for improved bicycle/shared use facilities:  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">With new development and capital improvement projects, bike lanes on arterial streets are:</td> <td style="width: 20%; text-align: center;"><input type="text" value="Recommend"/></td> </tr> <tr> <td>With new development and capital improvement projects, bike lanes on collector streets are:</td> <td style="text-align: center;"><input type="text" value="Recommend"/></td> </tr> <tr> <td>With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:</td> <td style="text-align: center;"><input type="text" value="Recommend"/></td> </tr> <tr> <td>With new development or during development retrofits, shared-use paths are:</td> <td style="text-align: center;"><input type="text" value="Not Addressed"/></td> </tr> <tr> <td>Bicycle program implemented, including bike education, safety events, and bike maps</td> <td style="text-align: center;"><input type="text" value="No"/></td> </tr> <tr> <td>Complete Streets Policy</td> <td style="text-align: center;"><input type="text" value="Yes"/></td> </tr> </table>	With new development and capital improvement projects, bike lanes on arterial streets are:	<input type="text" value="Recommend"/>	With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Recommend"/>	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="Not Addressed"/>	Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="No"/>	Complete Streets Policy	<input type="text" value="Yes"/>								
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29.	The project is: (Check one)  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input checked="" type="checkbox"/></td> <td style="width: 85%;">Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <div style="border: 1px solid black; padding: 2px;">2012 Comprehensive Transportation Study</div></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; height: 20px;"></div></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; height: 20px;"></div></td> </tr> </table>	<input checked="" type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <div style="border: 1px solid black; padding: 2px;">2012 Comprehensive Transportation Study</div>	<input type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; height: 20px;"></div>	<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; height: 20px;"></div>														
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30.	Identify the organization(s) responsible for on-going maintenance and repairs of the project:  <div style="border: 1px solid black; padding: 5px; min-height: 60px;">City of Apache Junction</div>																				
31.	How will the applicant measure the success of this project?  <div style="border: 1px solid black; padding: 5px; min-height: 60px;">By the added use of pedestrian and bicycle traffic and reduced accidents at the intersections.</div>																				
32.	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?  <div style="border: 1px solid black; padding: 5px; min-height: 60px;">The City currently does not have bicycle/pedestrian count technology, and will not be incorporated with this project.</div>																				
33.	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.  <div style="border: 1px solid black; padding: 5px; min-height: 60px;">Yes. The project will be publicized on the City's website in addition to flyer notification to the nearby schools, activity centers, and business owners.</div>																				

## **Part C - Required Attachments**

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.

### **PLEASE INCLUDE EACH ATTACHMENT AS A SEPARATE .JPEG OR .PDF FILE ON YOUR APPLICATION CD.**

Please insert ALL attachments between Part B and Part D on your printed application, in the order they are listed below. See below for alternate submission requirements for GIS coverage files.

#### **Required Attachments:**

1) Please attach a map with streets labeled showing the location(s) of the proposed project, including a north arrow.

2) Please attach up to four photos indicating existing conditions in the project area (two 4x6 photos per page).

3) Please attach 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.

#### **OPTIONAL Attachments:**

(OPTIONAL) Attach up to two photos showing what the completed project will look like, if available (these can be photoshop, renderings, etc.).

(OPTIONAL) Attach any crash report(s) referenced in Part B, Section 2, #6.

(OPTIONAL) If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions"

# PROPOSED PROJECT AREA



TA Funds are requested to reduce the size of the existing median for installation of bicycle lanes to be constructed Fiscal Year 2016.

## APACHE TRAIL MEDIAN IMPROVEMENTS

### Existing Conditions



*Picture 1, Existing Conditions: Medians turn bays for vehicular traffic turning left and pedestrians and bicyclists crossing the street.*



*Picture 2, Existing Conditions: No curbs & gutter, not graded dirt median.*



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>		Apache Junction		<b>Project Title:</b>		Apache Trail Median Improvements		<b>Application Date:</b>		10/22/2013		
Part	Item Description			Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY			LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN			LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)			LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	4. HAZMAT ASSESSMENT			LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	<b>Subtotal Scoping (Part A)</b>								<b>\$0.00</b>	<b>\$0.00</b>		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.			LS	1	\$90,000.00	\$90,000.00	No	\$0.00	\$90,000.00		
	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	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00		
	<b>Subtotal PE (Part B)</b>						<b>\$125,000.00</b>		<b>\$0.00</b>	<b>\$125,000.00</b>		
<b>Subtotal Preliminary Engineering (Part A + Part B)</b>							<b>\$125,000.00</b>		<b>\$0.00</b>	<b>\$125,000.00</b>		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition			LS	0	\$0.00	\$0.00	No	\$0.00	\$0.00	None needed.	
<b>Subtotal Right-of-Way Acquisition (Part C)</b>							<b>\$0.00</b>		<b>\$0.00</b>			
D. Utility Relocation	1. Utility Relocation			LS	0	\$5,000.00	\$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>		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00		
		Site Preparation		LS			\$0.00	Yes	\$0.00	\$0.00		
		Demolition	Sawcut	LF	6,875	\$3.00	\$20,625.00	\$20,625.00	Yes	\$19,449.38	\$1,175.63	
			Remove Structures and Obstructions	LS	1	\$10,000.00	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
			Remove Fencing	LF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Remove Structural Concrete	CY	1	\$5,000.00	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00	
			Remove Asphaltic Concrete Pavement	CY	3,750	\$3.50	\$13,125.00	\$13,125.00	Yes	\$12,376.88	\$748.13	
			Remove Concrete Sidewalks, Slabs	CY	850	\$4.00	\$3,400.00	\$3,400.00	Yes	\$3,206.20	\$193.80	
		Hazmat Abatement		LS	1	\$7,500.00	\$7,500.00	\$7,500.00	Yes	\$7,072.50	\$427.50	
		Retaining Wall - Reinforced Concrete Cantilevered		SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Earthwork	General Excavation	LS	1	\$5,000.00	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00	
			Drainage Excavation	LS	1	\$10,000.00	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
			Structural Excavation	LS	1	\$5,000.00	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00	
			Structural Backfill	CY	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Borrow (In Place)	CY	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Curb & Gutter		LF	4,825	\$20.00	\$96,500.00	\$96,500.00	Yes	\$90,999.50	\$5,500.50	
		Aggregate Base		CY	1,450	\$50.00	\$72,500.00	\$72,500.00	Yes	\$68,367.50	\$4,132.50	
		Pathway Or Sidewalk Materials	Concrete	SF	1,960	\$8.00	\$15,680.00	\$15,680.00	Yes	\$14,786.24	\$893.76	
			Colored Concrete	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Stamped Color Concrete	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Precast Concrete Pavers	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Asphaltic Concrete	SY	2,800	\$30.00	\$84,000.00	\$84,000.00	Yes	\$79,212.00	\$4,788.00	
			Polymer or Resin Stabilized Surface	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Crosswalk Enhancement	Concrete Pavers	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Stamped Asphalt	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Stamped Concrete	SY	720	\$65.00	\$46,800.00	\$46,800.00	Yes	\$44,132.40	\$2,667.60	
			Concrete	SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Integral Color Concrete		SF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Pedestrian ADA Ramp		Each	4	\$2,500.00	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
		Culvert Extensions		LS	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Pedestrian Lighting Including Conduit And Trenching		Each	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Handrail	Standard	LF	0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
Decorative	LF		0	\$0.00	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
<b>Subtotal Hardscape Construction</b>							<b>\$415,130.00</b>		<b>\$391,467.59</b>	<b>\$23,662.41</b>		

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>		Apache Junction		<b>Project Title:</b>		Apache Trail Median Improvements		<b>Application Date:</b>		10/22/2013				
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	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Trees (15 Gallon Size)			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Trees (5 Gallon Size)			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Shrubs (5 Gallon Size)			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Shrubs (1 Gallon Size)			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Cactus (5 Gallon Size)			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Mulch		Decomposed Granite			SY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				Organic			CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Topsoil			CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Seeding			Acre	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Turf Sod			SY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Boulders			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Irrigation System		Drip			SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				Turf			SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Sleeving For Irrigation System		Directional Bore			LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				Cut and Patch			LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Landscape Header Curb			LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Landscape Establishment			LS	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
	Subtotal Landscaping & Irrigation Items							\$0.00		\$0.00	\$0.00			
	3. Site Furnishings	Benches			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Seatwalls			LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Bike Racks			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Trash Receptacles			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Drinking Fountains			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Signage (Standard Traffic Control)			LS	1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00			
		Signage (Wayfinding)			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Tree Grates			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Subtotal Site Furnishings							\$20,000.00		\$18,860.00	\$1,140.00		
		Bicycle and Pedestrian Counter			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Traffic Signal Modification			LS	1	\$150,000.00	\$150,000.00	Yes	\$141,450.00	\$8,550.00			
		Curb Opening			Each	4	\$5,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00			
						0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
						0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
						0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
						0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
						0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
						0	\$0.00	\$0.00	Yes	\$0.00	\$0.00			
		Subtotal Other Construction							\$170,000.00		\$160,310.00	\$9,690.00		
		Contractor Mobilization			LS	1	\$48,410.40	\$48,410.40	No	\$0.00	\$48,410.40			
	Traffic Control			LS	1	\$48,410.40	\$48,410.40	Yes	\$45,651.01	\$2,759.39				
	5. Mobilization And Administration Costs	Construction Survey & Layout			LS	1	\$30,256.50	\$30,256.50	Yes	\$28,531.88	\$1,724.62			
		Construction Contingencies			LS	1	\$90,769.50	\$90,769.50	Yes	\$85,595.64	\$5,173.86			
		Construction Administration			LS	1	\$121,026.00	\$121,026.00	Yes	\$114,127.52	\$6,898.48			
		Subtotal Mobilization & Administration Costs							\$338,872.80		\$273,906.04	\$64,966.76		
	<b>Subtotal Construction Or Implementation Cost (Part E)</b>							<b>\$944,002.80</b>		<b>\$844,543.63</b>	<b>\$99,459.17</b>			
<b>F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)</b>							<b>\$1,069,002.80</b>		<b>\$844,543.63</b>	<b>\$224,459.17</b>				
<b>G. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part F))</b>							<b>\$21,380.06</b>	No	\$0.00	\$21,380.06				
<b>H. Total Project Cost Including ADOT Fees (Part F + Part G)</b>							<b>\$1,090,382.86</b>		<b>\$844,543.63</b>	<b>\$245,839.22</b>				

Apache Junction: Apache Trail Median Improvements

**PART E - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS**

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 23-26 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)			
1. ADOT Fee	\$21,380				
2. Design	\$125,000				
3. Right of way	\$0				
4. Utilities	\$0				
5. Construction	\$944,003				
6. Total Cost	\$1,090,383				
7. Will the agency maintain the improvement after it is completed?		Yes			
8. Expected Annual Maintenance Cost		15,600			
9. Identify Source of Maintenance Funds		HURF			
Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
10. Design	2014	HURF	\$125,000	Not Available	\$125,000
11. ADOT Fee	2014	HURF	\$21,380	Not Available	\$21,380
12. Right of way and Utilities	2014	HURF	\$0	Not Available	\$0
13. Construction	2016	HURF	\$99,459	\$844,544	\$944,003
14. Total Costs			\$245,839	\$844,544	\$1,090,383

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>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
Safe Routes to School, fields 9-12 are complete (if applicable)	Yes
<b>PART B - Project Description</b>	<b>Complete?</b>
Fields 1 - 11 (Project Description) are complete	Yes
Fields 12– 14 (Transit and Access) are complete	Yes
Fields 15 – 19 (Attractors and Demographics) are complete	Yes
Fields 20 – 26 (Traffic, Environmental, ROW, and Utilities) are complete	Yes
Fields 27 – 29 (Guidelines, Policies, and Plans) are complete	Yes
Fields 30 – 33 (Maintenance and Performance Measurement) are complete	Yes
<b>PART C - Required Attachments</b>	<b>Complete?</b>
Field 1 - Project map is provided in the printed application and the PDF application	Yes
Field 2 - Up to 4 photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).	Yes
Field 3 - Cross-section(s) provided in the printed application and the PDF application.	Yes
(OPTIONAL)- Up to 2 photos/renderings of the completed project are provided in the printed application and the PDF application.	Yes
(OPTIONAL) - Crash report(s) are provided in the printed application and the PDF application	No
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	No
<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 – 6 are complete and costs are accurate	Yes
Field 7 - 9 are complete	Yes
Fields 10 – 13 Years are complete	Yes
Fields 10 – 13 Local Funding Sources are complete	Yes
Fields 10 – 13 Local Costs are complete and accurate	Yes
Field 10 - 13 Federal Costs are complete and accurate	Yes
Field 14 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
(SAFE ROUTES TO SCHOOL PROJECTS ONLY) - Additional signatures and related name, date, and title are completed.	No

## 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:	Emile Schmid, P.E.
Title:	City Engineer
Date:	10/21/2013

### Complete the following ONLY if this is a Safe Routes to School Project.

Note: All signatures indicate an agreement in principle and a partnership on this project between the applicant and the signing organization. Although not all signatures are required, applications that include more signatures will be ranked higher

**School/Site Official (required):**

(Principal, assistant principal, teacher-in-charge, PE Teacher, SRTS coordinator)

Signature:	
Name:	
Title:	
Date:	

**School District official (required):**

Signature:	
Name:	
Title:	
Date:	

**Law Enforcement Official (required):**

Signature:	
Name:	
Title:	
Date:	