



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

Monroe Ave. Sidewalks, Downtown Buckeye

Town of Buckeye

**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)

PART A - CONTACT AND PROJECT DESCRIPTION	
Contact Information	
1. Name of Sponsoring Agency	Buckeye
2. Agency Contact Name	Scott W. Lowe, PE
3. Phone Number of Agency Contact	6233496815
4. E-Mail Address of Agency Contact	slowe@buckeyeaz.gov
5. Mailing Address of Agency Contact	530 E. Monroe Ave. Buckeye, AZ 85326
Project Description	
6. Please provide the Project Title.	Monroe Avenue Sidewalks, Downtown Buckeye
7. Please provide a concise, specific description of the project (250 character limit):	
<p>Monroe Avenue (MC85) has sidewalks along its route from Miller Road to 9th Street in Downtown Buckeye. Sidewalks end at that location, which is also where MC85 curves to the north and eventually coincides with Baseline Road; however, there is a need to provide sidewalks on the curve to provide safe pedestrian access to the parks on both sides of Monroe in the eastern limits of downtown.</p>	
8. Please provide the project limits:	
<p>Sidewalks would be provided on both sides of the street from 9th Street to Eason Avenue on the north side (approx. 1,525 feet or 0.3 miles) and from 9th Street to Narramore Avenue on the south side (approx. 2,085 feet or .4 miles).</p>	
Safe Routes to School (if project is NOT a Safe Routes to School project, proceed to Part 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 type="checkbox"/>	Bicycle lane (5' min. with curb/gutter)	Other:	
<input type="checkbox"/>	Shared-use path (10' min.)	<input type="text" value="with rolled curb and gutter."/>	
<input type="checkbox"/>	Detached Sidewalk with 4' min. buffer		
<input checked="" 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="text" value="0"/>	Number of new openings in street walls
<input type="checkbox"/>	Tunnel (underpass)	<input type="text" value="0"/>	Number of Trees
<input type="checkbox"/>	Safe Routes to School	<input type="text" value="0"/>	Number of Shade Structures
<input type="text" value="0"/>	Signalized Crossing	<input type="text" value="0"/>	Number of Seating/Rest Area(s)
<input type="text" value="0"/>	Signalized midblock crossing/HAWK	<input type="text" value="0"/>	Number of bicycle/pedestrian counting devices
<input type="text" value="0"/>	Countdown Pedestrian Signal	Other:	
<input type="text" value="0"/>	Number of Bike racks/lockers	<input type="text"/>	
<input type="text" value="0"/>	Number of Drinking Fountains		
<input type="text" value="0"/>	Number of Way-finding Signs		
<input type="text" value="0"/>	Number of Trash receptacles		

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

There is no pedestrian access along MC85 from the beginning of the curve north and east of 9th Street, though there are parks on both sides (north and south) of MC85 in downtown Buckeye. Both areas are heavily used for youth sports practices and games as well as community events. Providing sidewalks will continue the pedestrian access through downtown and provide safe access to the parks in the vicinity.

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

The work will be to provide sidewalk, curb and gutter along the pavement edge. Curbing shall be mountable to provide parking up to the right of way line, especially along the park areas.

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

Pedestrian continuity through downtown Buckeye from the eastern most limits to the western most limits. Additionally, safe access to the park areas within the project limits.

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 Town of Buckeye 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.)		
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)	Other	
<input type="checkbox"/>	Signalized crossing/Ped countdown/HAWK	<input type="text"/>	
<input type="checkbox"/>	Lighting		
<input type="checkbox"/>	Striping/re-striping of roadway		
<input type="checkbox"/>	Countdown signals		

PART B-PROJECT DESCRIPTION	
8. How does this project improve upon an existing safety issue?	<p>The project will provide pedestrian continuity throughout downtown. It will provide a paved surface for pedestrians, rather than walking in the roadway on a superelevated curve.</p>
9. How does the project improve ADA facilities for persons with disabilities?	<p>ADA access is disrupted currently from 9th Street to Eason, with no paved surface along a superelevated curve, with the exception of the roadway edge itself, for pedestrians or wheelchairs to follow this roadway. Providing sidewalks will dramatically increase accessibility.</p>
10. How does the project create a sense of place?	<p>Continuity of pedestrian access will improve the sense of place for downtown Buckeye. The park areas (green space) will only be that much more accessible, not to mention the Town Museum, which has no pedestrian access currently.</p>
11. Connectivity: (Check all that apply)	<p><input checked="" type="checkbox"/> Project fills a gap in the system Explain: Sidewalks end at 9th, there is a gap in pedestrian access until Eason, then the sidewalk begins again. This project fills the gap.</p> <p><input type="checkbox"/> Project connects to other local bikeways List of connected bikeways: _____</p> <p><input type="checkbox"/> Multi Jurisdiccional Project List of Participating Jurisdictions: _____</p> <p><input type="checkbox"/> Total length of facilities connected by this project (in miles)</p>
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.	<p><input type="checkbox"/> Within 1/4 mile List routes and frequency: _____</p>
13. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:	<p><input type="checkbox"/> Within 1/4 mile List: _____</p>
14. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:	<p>All of downtown Buckeye is backed by residential (both on the north and south sides of MC85), as well as schools, town museum, Town Hall, Town Pool, Library, Recreation Center and Police Department. Pedestrian continuity is vital to ensure that those who walk to these facilities have the safest, most direct route to do so.</p>

PART B-PROJECT DESCRIPTION

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

Within 1/4 mile

List:

two parks, one pool, one library, one recreation center, one museum, and one Girl Scout building

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):

Within 1/4 mile

List:

Two Police Department buildings, one Circle K, one restaurant, one motel, and numerous other businesses.

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

Within 1/4 mile

List:

Buckeye Elementary School and Buckeye Middle School is about .3 miles west.

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

Within 1/4 mile

List:

Estrella Mountain Community College is .2 miles away just north on 9th Street and Buckeye Union High School is adjacent to the community college.

19. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

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.

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:

Maricopa County Highway 85 (Monroe Ave), from 9th Street to Eason Avenue (north side) and from 9th Street to Narramore Avenue (south side)

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:

Major Arterial

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

Type of Facility the Improvement will be located on:

Arterial Road

0.3 Length (in Miles)

30 Posted Speed Limit (MPH)

4 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.

5,225 ADT Estimate

12/1/12 Date Counted

Name of road the traffic count was taken from

MC 85 at Rooks Road and at Rainbow Road, average

Description of Methodology and Source used for the ADT Estimate

Data averaged between the counts taken at Rainbow Road on MC85 by MCDOT and counts taken at Rooks Road on MC85 by MCDOT.

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.

The work is in current ROW that was recently cleared via CATEX in a 2010 ARRA funded pavement preservation project and another CATEX for a 2010 CMAQ funded shoulder paving project, the results of which indicated no issues.

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.

No issues

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;">No issues</div>														
27.	Guidelines used to develop project: (Check all that apply) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input type="checkbox"/></td> <td style="width: 45%;">AASHTO Guide for Bicycle Facilities</td> <td style="width: 40%;">Other:</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>MAG Pedestrian Policies and Design Guidelines</td> <td rowspan="5" style="border: 1px solid black; min-height: 40px;"></td> </tr> <tr> <td><input type="checkbox"/></td> <td>MAG Complete Streets Guide</td> </tr> <tr> <td><input type="checkbox"/></td> <td>MAG Designing Transit Accessible Communities</td> </tr> <tr> <td><input type="checkbox"/></td> <td>NACTO Urban Bikeway Design Guide</td> </tr> <tr> <td><input type="checkbox"/></td> <td>RPTA Bus Stop Program and Standards</td> </tr> </table>	<input type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other:	<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"/>	NACTO Urban Bikeway Design Guide	<input type="checkbox"/>	RPTA Bus Stop Program and Standards
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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="checkbox"/> Required</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="checkbox"/> Required</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="checkbox"/> Recommended</td> </tr> <tr> <td>With new development or during development retrofits, shared-use paths are:</td> <td style="text-align: center;"><input type="checkbox"/> Required</td> </tr> <tr> <td>Bicycle program implemented, including bike education, safety events, and bike maps</td> <td style="text-align: center;"><input type="checkbox"/> No</td> </tr> <tr> <td>Complete Streets Policy</td> <td style="text-align: center;"><input type="checkbox"/> No</td> </tr> </table>	With new development and capital improvement projects, bike lanes on arterial streets are:	<input type="checkbox"/> Required	With new development and capital improvement projects, bike lanes on collector streets are:	<input type="checkbox"/> Required	With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<input type="checkbox"/> Recommended	With new development or during development retrofits, shared-use paths are:	<input type="checkbox"/> Required	Bicycle program implemented, including bike education, safety events, and bike maps	<input type="checkbox"/> No	Complete Streets Policy	<input type="checkbox"/> No		
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29.	The project is: (Check one) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input 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; min-height: 20px;"></div></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; padding: 5px;">Sidewalks are required on all new streets. Town of Buckeye General Plan (2008), Buckeye Development Code (2010), Buckeye Engineering Standards (2012)</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; min-height: 20px;"></div></td> </tr> </table>	<input type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <div style="border: 1px solid black; min-height: 20px;"></div>	<input checked="" type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; padding: 5px;">Sidewalks are required on all new streets. Town of Buckeye General Plan (2008), Buckeye Development Code (2010), Buckeye Engineering Standards (2012)</div>	<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; min-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: 50px;">Town of Buckeye Public Works Department</div>														
31.	How will the applicant measure the success of this project? <div style="border: 1px solid black; padding: 5px; min-height: 50px;">Public use of the new sidewalks</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: 50px;">None planned</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: 50px;">The Town of Buckeye will issue press releases prior to the project commencing and afterwards to inform residents of the new amenity. The Town will contact adjacent property owners prior to the sidewalk construction.</div>														

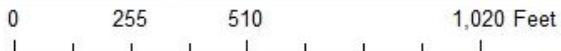
MAG Transportation Alternatives Project Application

Sidewalk On North & South Side of Highway 85/Monroe Avenue from 9th Street to Eason Ave. (north) and Narramore Ave. (south)

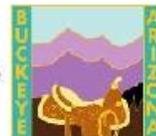


Legend

 MAG Transportation Alternative Project



Town of Buckeye
GIS
10/8/2013





1

Looking east from the northwest corner of Monroe Ave./9th Street. The sidewalks do not continue east past 9th Street



2

Looking east from the southwest corner of Monroe Ave./9th Street. The sidewalks do not continue east past 9th Street



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Town of Buckeye

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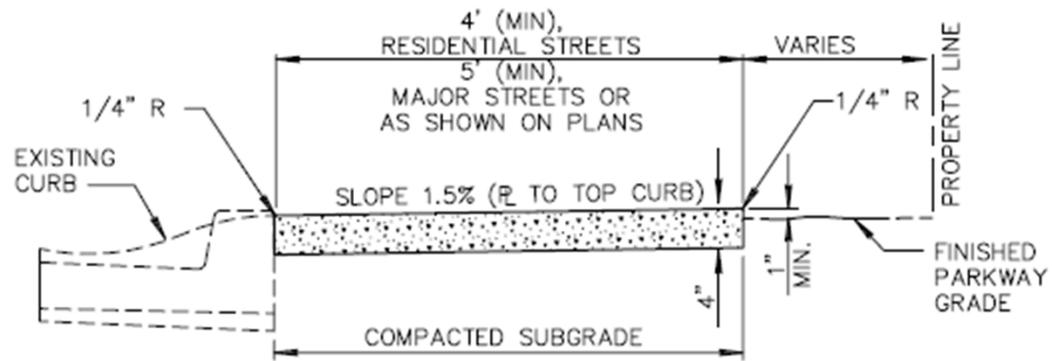
Looking west in front of Town Park. There are no pedestrian facilities provided along the north side of Monroe Avenue.



4

Looking west on the south of Monroe Ave/Narramore Ave. There is a pedestrian signal at this location to cross Monroe Ave., however the sidewalk ends headed west.





Proposed Sidewalk Cross Section To Add to MC85 Cross Section on North And South Side



Existing MC 85 Cross Section

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.

Sponsoring Agency:	Town of Buckeye	Project Title:	Monroe Ave. Sidewalk	Application Date:	10/16/2013
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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	\$5,625.00	\$5,625.00	No	\$0.00	\$5,625.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$5,625.00	\$5,625.00	No	\$0.00	\$5,625.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$7,500.00	\$7,500.00	No	\$0.00	\$7,500.00		
	Subtotal Scoping (Part A)				\$28,750.00		\$0.00	\$28,750.00		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$45,000.00	\$45,000.00	No	\$0.00	\$45,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$5,625.00	\$5,625.00	No	\$0.00	\$5,625.00		
	3. DRAINAGE REPORT	LS	1	\$4,500.00	\$4,500.00	No	\$0.00	\$4,500.00		
	4. SWPPP	LS	1	\$1,125.00	\$1,125.00	No	\$0.00	\$1,125.00		
	Subtotal PE (Part B)				\$56,250.00		\$0.00	\$56,250.00		
Subtotal Preliminary Engineering (Part A + Part B)					\$85,000.00		\$0.00	\$85,000.00		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
Subtotal Right-of-Way Acquisition (Part C)					\$0.00		\$0.00	\$0.00		
D. Utility Relocation	1. Utility Relocation	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
Subtotal Utility Relocation (Part D)					\$0.00		\$0.00	\$0.00		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPPP Measures		LS	1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00
		Site Preparation		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Demolition	Sawcut	LF	4,224	\$1.00	\$4,224.00	Yes	\$3,983.23	\$240.77
			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	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			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	176	\$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	4,224	\$18.00	\$76,032.00	Yes	\$71,698.18	\$4,333.82
		Aggregate Base		CY	176	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pathway Or Sidewalk Materials	Concrete	SF	15,840	\$7.00	\$110,880.00	Yes	\$104,559.84	\$6,320.16
			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
			Concrete Pavers	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Stamped Asphalt	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Concrete	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Concrete	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Integral Color Concrete	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Pedestrian ADA Ramp	Each	11	\$1,500.00	\$16,500.00	Yes	\$15,559.50	\$940.50
		Culvert Extensions		LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
Pedestrian Lighting Including Conduit And Trenching		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
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					\$212,636.00		\$200,515.75	\$12,120.25		

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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	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Organic	CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Topsoil		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Seeding		Acre	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Turf Sod		SY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Boulders		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Irrigation System	Drip	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Turf	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Sleeving For Irrigation System	Directional Bore	LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Cut and Patch	LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Landscape Header Curb		LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Landscape Establishment		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Subtotal Landscaping & Irrigation Items					\$0.00	Yes	\$0.00	\$0.00
		3. Site Furnishings	Benches	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
	Seatwalls		LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Bike Racks		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Trash Receptacles		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Drinking Fountains		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Signage (Standard Traffic Control)		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Signage (Wayfinding)		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Tree Grates		Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
	Subtotal Site Furnishings					\$0.00	Yes	\$0.00	\$0.00	
	Bicycle and Pedestrian Counter		Each	1	\$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)			1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Subtotal Other Construction					\$0.00	Yes	\$0.00	\$0.00
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$5,625.00	\$5,625.00	No	\$0.00	\$5,625.00	
		Traffic Control	LS	1	\$1,000.00	\$1,000.00	Yes	\$943.00	\$57.00	
		Construction Survey & Layout	LS	1	\$6,725.00	\$6,725.00	Yes	\$6,341.68	\$383.33	
		Construction Contingencies	LS	1	\$45,000.00	\$45,000.00	Yes	\$42,435.00	\$2,565.00	
		Construction Administration	LS	1	\$22,500.00	\$22,500.00	Yes	\$21,217.50	\$1,282.50	
	Subtotal Mobilization & Administration Costs					\$80,850.00		\$70,937.18	\$9,912.83	
	Subtotal Construction Or Implementation Cost (Part E)					\$293,486.00		\$271,452.92	\$22,033.08	
	F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)					\$293,486.00		\$271,452.92	\$22,033.08	
G. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part F))					\$20,000.00	No	\$0.00	\$20,000.00		
H. Total Project Cost Including ADOT Fees (Part F + Part G)					\$398,486.00		\$271,452.92	\$127,033.08		

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.

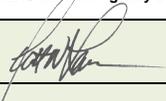
The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in questions 23-26 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)			
1. ADOT Fee	\$20,000				
2. Design	\$85,000				
3. Right of way	\$0				
4. Utilities	\$0				
5. Construction	\$293,486				
6. Total Cost	\$398,486				
7. Will the agency maintain the improvement after it is completed?		<input type="text" value="Yes"/>			
8. Expected Annual Maintenance Cost		<input type="text" value="1,000"/>			
9. Identify Source of Maintenance Funds		<input type="text" value="Town General Fund and/or HURF allocation"/>			
Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
10. Design	2014	General Fund	\$85,000	Not Available	\$85,000
11. ADOT Fee	2014	General Fund	\$20,000	Not Available	\$20,000
12. Right of way and Utilities	2015	General Fund	\$0	Not Available	\$0
13. Construction	2016	General Fund	\$22,033	\$271,453	\$293,486
14. Total Costs			\$127,033	\$271,453	\$398,486

PART F - SIGNATURE AND CHECKLIST	
<h2>Checklist</h2>	
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.	
COVER SHEET	Complete?
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
Safe Routes to School, fields 9-12 are complete (if applicable)	Yes
PART B - Project Description	Complete?
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
PART C - Required Attachments	Complete?
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.	No
(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
PART D - Cost Estimate Worksheet	Complete?
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
PART E - Total Project Schedule and Budget Including All Segment Fields	Complete?
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
PART F - Signature and Checklist	Complete?
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:	Scott W. Lowe, PE
Title:	Public Works Director
Date:	10/16/2013

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:	

ATTACHMENT: MAG CRASH DATA

MAG has provided crash summaries for this project, as requested by the agency,
in reference to Part B, Question 6 of the MAG Transportation Alternatives Application

Buckeye, Project #1, Pedestrian						
Year	Severity					5 total
	1	2	3	4	5	
2008	0	0	0	0	0	0
2009	0	0	0	0	0	0
2010	0	1	0	0	0	1
2011	0	0	1	0	0	1
2012	0	0	2	0	0	2
2013	0	0	0	0	0	0
<i>total</i>	<i>0</i>	<i>1</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>4</i>

Buckeye, Project #1, Bicyclist						
Year	Severity					5 total
	1	2	3	4	5	
2008	0	0	0	0	0	0
2009	0	0	0	0	0	0
2010	1	0	0	0	0	1
2011	0	0	0	0	0	0
2012	0	0	0	0	0	0
2013	0	0	0	0	0	0
<i>total</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>