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

MILLER ROAD SIDEWALK PROJECT IN 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)
### Contact Information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Sponsoring Agency</td>
<td>Buckeye</td>
</tr>
<tr>
<td>2. Agency Contact Name</td>
<td>Scott W. Lowe, PE</td>
</tr>
<tr>
<td>3. Phone Number of Agency Contact</td>
<td>623-349-6815</td>
</tr>
<tr>
<td>4. E-Mail Address of Agency Contact</td>
<td><a href="mailto:slowe@buckeyeaz.gov">slowe@buckeyeaz.gov</a></td>
</tr>
</tbody>
</table>
| 5. Mailing Address of Agency Contact | 530 E. Monroe Ave.  
Buckeye, AZ  85326 |

### Project Description

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>6. Please provide the Project Title.</td>
<td>Miller Road Sidewalk</td>
</tr>
<tr>
<td>7. Please provide a concise, specific description of the project (250 character limit):</td>
<td>The Town of Buckeye is requesting funds to install 2,475 feet (.46 miles) of a 5' detached sidewalk on the east side of Miller Road (1st Street) from Monroe Avenue south to Irwin Avenue to provide connections from downtown services to a Community Center, community park, homes and apartments.</td>
</tr>
<tr>
<td>8. Please provide the project limits:</td>
<td>The sidewalk will be provided on the east side of Miller Road from approximately Monroe Avenue to Irwin Avenue for 2,475 feet (.46 miles).</td>
</tr>
</tbody>
</table>

### Safe Routes to School (if project is NOT a Safe Routes to School project, proceed to Part B)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>9. School Name</td>
<td></td>
</tr>
<tr>
<td>10. School Address</td>
<td></td>
</tr>
<tr>
<td>11. School City, State, ZIP Code</td>
<td></td>
</tr>
</tbody>
</table>
**Buckeye: Miller Road Sidewalk**

**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)

- Bicycle lane ('4' min. w/o curb/gutter)
- Bicycle lane ('5' min. with curb/gutter)
- Shared-use path ('10' min.)
- Detached Sidewalk with '4' min. buffer
- Sidewalk ('5' min.)
- Other:  

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

- Bridge (overpass) 0 Number of new openings in street walls
- Tunnel (underpass) 0 Number of Shade Structures
- Safe Routes to School 0 Number of Way-finding Signs
- Signalized Crossing 0 Number of Seating/Rest Area(s)
- Signalized midblock crossing/HAWK 0 Number of bicycle/pedestrian counting devices
- Countdown Pedestrian Signal 0 Number of Bike racks/lockers
- Number of Bike racks/lockers 0 Number of Drinking Fountains
- Number of Way-finding Signs 0 Number of Trash receptacles
- Other:  

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

On the east side of Miller Road (1st Street) there is approximately 30 feet of right-of-way from edge of pavement to the property line. The right-of-way is unimproved and consists of millings that have been used for dust suppression. Sidewalks on cross streets end at Miller with no pedestrian connections along this arterial road.

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

The Town will provide sidewalk and curb and gutter along the pavement edge. Curbing will be mountable adjacent to the park to provide parking up to the right-of-way line.

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

Pedestrian continuity from Buckeye's main street in downtown (Monroe Ave.) to a community center, park, apartment complex and residential homes.

### 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)

- Wide bicycle lanes ('6'-7')  
- Wide sidewalk ('8' min.)  
- Grade-separated crossing (overpass or underpass)
- Signalized crossing/Ped countdown/HAWK
- Lighting
- Stripping/re-striping of roadway
- Countdown signals

Buffer Zone, Width

Other
## PART B - PROJECT DESCRIPTION

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

The project will provide pedestrian continuity in this area of town and will provide a safe surface for pedestrians rather than walking in the roadway.

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

There are no sidewalks along Miller Road (1st Street). Providing sidewalks will greatly improve accessibility.

### 10. How does the project create a sense of place?

Continuity of pedestrian access will improve the sense of place for downtown Buckeye. The path will provide connections between downtown, a community park which is the 2nd largest in Buckeye, a community center, an apartment complex and residential areas.

### 11. Connectivity: (Check all that apply)

- **X** Project fills a gap in the system

  Explain:
  
  Sidewalks end at the cross streets at Monroe Avenue (Buckeye Main Street), Jackson Ave, Clanton Ave and Centre Avenue. The sidewalk project will provide connections between the cross streets from downtown to the park, community center and adjacent residential areas.

- Project connects to other local bikeways

  List of connected bikeways:

- Multi Jurisdictional Project

  List of Participating Jurisdictions:

- **4** Total length of facilities connected by this project (in miles)

### 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.

0 Within 1/4 mile

List routes and frequency:

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

0 Within 1/4 mile

List:

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

There are neighborhoods on both the west and east sides of Miller Road (1st St). The sidewalk along Miller (1st St) will provide a direct connection from the residential areas to services downtown, including restaurants, stores, pharmacy, health care, etc.
## Buckeye: Miller Road Sidewalk

### Part B - Project Description

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

- **Number of activity centers within 1/4 mile**
  - List: Buckeye Community Center, Earl Edgar Recreational Facility

**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):

- **Number of commercial and employment destinations within 1/4 mile**
  - List: post office, gas station, restaurants, grocery store, convenience store, bank, pharmacy, multiple businesses in downtown Buckeye.

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

- **Number of K-8 public schools within 1/4 mile**
  - List: Buckeye Elementary and Buckeye Middle School are .4 miles away from the project.

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

- **Number of other schools within 1/4 mile**
  - List:

**19. What are the demographics of the area served:**

<table>
<thead>
<tr>
<th>People Per Square Mile</th>
<th>% Families in Poverty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,845</td>
<td>26.9</td>
</tr>
</tbody>
</table>

Using 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.
**Buckeye: Miller Road Sidewalk**

### PART B-PROJECT DESCRIPTION

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

<table>
<thead>
<tr>
<th>For a linear project, please enter the Facility Name, Starting Limit and Ending Limit:</th>
<th>East side of Miller Road (1st Street) from Monroe Ave. to Irwin Ave.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>For a point project (e.g., an intersection or crossing), please enter a Facility Name and a Crossing Feature:</th>
<th></th>
</tr>
</thead>
</table>

**Federal Functional Classification of the Facility:**

<table>
<thead>
<tr>
<th>Minor Arterial</th>
<th>Link to MAG webpage for Federal Functional Classification Map</th>
</tr>
</thead>
</table>

**Type of Facility the Improvement will be located on:**

<table>
<thead>
<tr>
<th>Arterial Road</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>ADT Estimate</th>
<th>3,703</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date Counted</th>
<th>12/3/12</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name of road the traffic count was taken from</th>
<th>Miller Road at MC 85</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Description of Methodology and Source used for the ADT Estimate</th>
<th>Traffic count from MCDOT</th>
</tr>
</thead>
</table>

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.**

**No known issues.**

23. **Current ROW:** (Check all that apply)

<table>
<thead>
<tr>
<th>Agency owns all ROW Needed</th>
<th>Agency owns easement</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ROW to be acquired</th>
<th>Agency has right-of-use (i.e., canal)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Owners will donate ROW</th>
<th>Condemnation may be required</th>
</tr>
</thead>
</table>

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

**No issues. All right-of-way is annexed into the Town of Buckeye.**

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

<table>
<thead>
<tr>
<th>No Utility in or abutting the alignment</th>
<th>Private Structures</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Canals &amp; Drainage</th>
<th>Other:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Power Lines &amp; Cables</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pipelines, Sewer and Water</th>
<th></th>
</tr>
</thead>
</table>
There is a tiled irrigation distribution system below the right-of-way as well as APS electric lines and water and sewer. These issues will be addressed during design. The overhead powerlines will be moved as part of the project, however the irrigation distribution system will be kept in place.

<table>
<thead>
<tr>
<th>27. Guidelines used to develop project: (Check all that apply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X AASHTO Guide for Bicycle Facilities</td>
</tr>
<tr>
<td>MAG Pedestrian Policies and Design Guidelines</td>
</tr>
<tr>
<td>MAG Complete Streets Guide</td>
</tr>
<tr>
<td>MAG Designing Transit Accessible Communities</td>
</tr>
<tr>
<td>NACTO Urban Bikeway Design Guide</td>
</tr>
<tr>
<td>RPTA Bus Stop Program and Standards</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>28. Jurisdiction has the following policies for improved bicycle/shared use facilities:</th>
</tr>
</thead>
<tbody>
<tr>
<td>With new development and capital improvement projects, bike lanes on arterial streets are:</td>
</tr>
<tr>
<td>With new development and capital improvement projects, bike lanes on collector streets are:</td>
</tr>
<tr>
<td>With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:</td>
</tr>
<tr>
<td>With new development or during development retrofits, shared-use paths are:</td>
</tr>
<tr>
<td>Bicycle program implemented, including bike education, safety events, and bike maps</td>
</tr>
<tr>
<td>Complete Streets Policy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>29. The project is: (Check one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)</td>
</tr>
<tr>
<td>X Consistent with general policy/practices, but not formally identified (provide source)</td>
</tr>
<tr>
<td>Explain:</td>
</tr>
<tr>
<td>Not addressed by jurisdiction’s plans, policies, or practices</td>
</tr>
<tr>
<td>Explain:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>30. Identify the organization(s) responsible for on-going maintenance and repairs of the project:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town of Buckeye Public Works Department</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>31. How will the applicant measure the success of this project?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public use of the new sidewalks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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?</th>
</tr>
</thead>
<tbody>
<tr>
<td>None planned</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Town will issue press releases before and after construction and will alert neighboring residents prior to construction occurring.</td>
</tr>
</tbody>
</table>
MAG Transportation Alternatives Project Application
Sidewalk On East Side of Miller Road
from Monroe Ave. South to Irwin Ave.
Looking south on the east side of Miller Road (1st St). The sidewalk ends just south of the driveway into the convenience store.

Looking north on the east side of Miller Road just south of Clanton. The sidewalks for the cross streets exist but dead end along Miller.
Looking south at the intersection of Miller Road (1st St) and Centre Ave. The overhead utility lines will be moved as part of the project.

Looking north from the east side of Miller Road (1st St) towards the Earl Edgar Recreational Facility. No sidewalks exist.
Miller Road Typical Street 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.**

<table>
<thead>
<tr>
<th>Sponsoring Agency:</th>
<th>Town of Buckeye</th>
<th>Project Title:</th>
<th>Miller Road Sidewalk</th>
<th>Application Date:</th>
<th>07/16/2013</th>
</tr>
</thead>
</table>

#### A. Scoping (15% Preliminary Engineering Design)

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit</th>
<th>Quan.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federally Eligible</th>
<th>Federal Funds (94.3%)</th>
<th>Local Funds (5.7%)</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. SITE TOPOGRAPHIC SURVEY</td>
<td>LS 1</td>
<td>$6,022.00</td>
<td>$6,022.00</td>
<td>No</td>
<td>$0.00</td>
<td>$6,022.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)</td>
<td>LS 1</td>
<td>$15,048.00</td>
<td>$15,048.00</td>
<td>No</td>
<td>$0.00</td>
<td>$15,048.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. HAZMAT ASSESSMENT</td>
<td>LS 1</td>
<td>$10,098.00</td>
<td>$10,098.00</td>
<td>No</td>
<td>$0.00</td>
<td>$10,098.00</td>
<td></td>
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</tr>
<tr>
<td><strong>Subtotal Scoping</strong> (Part A)</td>
<td></td>
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<td>$44,168.00</td>
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</tbody>
</table>

#### B. Final Preliminary Engineering Design - Stages I, II, IV And P&S & E

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit</th>
<th>Quan.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federally Eligible</th>
<th>Federal Funds (94.3%)</th>
<th>Local Funds (5.7%)</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Plans, Special Provisions or Bid Manual, Cost Estimate &amp; Schedules.</td>
<td>LS 1</td>
<td>$64,227.00</td>
<td>$64,227.00</td>
<td>No</td>
<td>$0.00</td>
<td>$64,227.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. GEOTECHNICAL INVESTIGATION and Materials &amp; Pavement Design Report</td>
<td>LS 1</td>
<td>$8,022.00</td>
<td>$8,022.00</td>
<td>No</td>
<td>$0.00</td>
<td>$8,022.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. DRAINAGE REPORT</td>
<td>LS 1</td>
<td>$6,413.00</td>
<td>$6,413.00</td>
<td>No</td>
<td>$0.00</td>
<td>$6,413.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. SWPPP</td>
<td>LS 1</td>
<td>$1,609.00</td>
<td>$1,609.00</td>
<td>No</td>
<td>$0.00</td>
<td>$1,609.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal FE</strong> (Part B)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>$80,271.00</td>
</tr>
</tbody>
</table>

#### C. Right-of-Way Acquisition

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit</th>
<th>Quan.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federally Eligible</th>
<th>Federal Funds (94.3%)</th>
<th>Local Funds (5.7%)</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Right-of-Way Acquisition</td>
<td>LS 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>No</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Right-of-Way Acquisition</strong> (Part C)</td>
<td></td>
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<td></td>
<td></td>
<td>$0.00</td>
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</tbody>
</table>

#### D. Utility Relocation

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit</th>
<th>Quan.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federally Eligible</th>
<th>Federal Funds (94.3%)</th>
<th>Local Funds (5.7%)</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Utility Relocation</td>
<td>LS 1</td>
<td>$90,000.00</td>
<td>$90,000.00</td>
<td>No</td>
<td>$0.00</td>
<td>$90,000.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Utility Relocation</strong> (Part D)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>$90,000.00</td>
</tr>
</tbody>
</table>

#### E. Construction Or Implementation

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit</th>
<th>Quan.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federally Eligible</th>
<th>Federal Funds (94.3%)</th>
<th>Local Funds (5.7%)</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Hardscape Construction</td>
<td>LS 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Site Preparation</td>
<td>LS 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Hardscaping</strong> (Part E)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$0.00</td>
</tr>
</tbody>
</table>

#### F. Pathway Or Sidewalk Materials

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit</th>
<th>Quan.</th>
<th>Unit Price</th>
<th>Total</th>
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<th>Federal Funds (94.3%)</th>
<th>Local Funds (5.7%)</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aggregate Base</td>
<td>TN 1,085</td>
<td>$70.00</td>
<td>$76,150.00</td>
<td>Yes</td>
<td>$76,150.00</td>
<td>$207,184.18</td>
<td>$16,231.18</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Aggregate Base</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$83,541.18</td>
</tr>
<tr>
<td>2. Concrete</td>
<td>SF 12,260</td>
<td>$6.90</td>
<td>$84,870.00</td>
<td>Yes</td>
<td>$84,870.00</td>
<td>$176,841.24</td>
<td>$45,961.24</td>
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</tr>
<tr>
<td>3. Colored Concrete</td>
<td>SF 1</td>
<td>$6.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
<td>$0.00</td>
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</tr>
<tr>
<td>4. Painted Concrete</td>
<td>SF 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Precast Concrete Pavers</td>
<td>SF 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
<td>$0.00</td>
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</tr>
<tr>
<td>6. Asphalitic Concrete</td>
<td>Ton 690</td>
<td>$114.00</td>
<td>$79,440.00</td>
<td>Yes</td>
<td>$79,440.00</td>
<td>$178,151.38</td>
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<tr>
<td><strong>Subtotal Concrete</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$154,281.38</td>
</tr>
</tbody>
</table>

### Part D. Page 8 of 12

**Buckeye: Miller Road Sidewalk**

- C. Right-of-Way Acquisition.
- D. Utility Relocation.
- E. Construction Or Implementation.
- F. Pathway Or Sidewalk Materials.
## 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.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Unit Quan.</th>
<th>Unit Price</th>
<th>Total</th>
<th>Federally Eligible</th>
<th>Note(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal Hardscape Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
</tr>
<tr>
<td>Trees (15 Gallon Size)</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
</tr>
<tr>
<td>Trees (25 Gallon Size)</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
</tr>
<tr>
<td>Shrubs (15 Gallon Size)</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
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<tr>
<td>Shrubs (25 Gallon Size)</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
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<tr>
<td>Cactus (15 Gallon Size)</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
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<tr>
<td>Mulch</td>
<td>CY 1</td>
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<td>Topsoil</td>
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<tr>
<td>Seeding</td>
<td>Acres 1</td>
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<td>Surf Sand</td>
<td>SV 1</td>
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<td>Yes</td>
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<tr>
<td>Boulders</td>
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<tr>
<td>Irrigation System</td>
<td>SF 1</td>
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<td>$0.00</td>
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<tr>
<td>Surf</td>
<td>SF 1</td>
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<td>$0.00</td>
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<tr>
<td>Directional Bore</td>
<td>LF 1</td>
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<td>$0.00</td>
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<tr>
<td>Seeding For Irrigation System</td>
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<tr>
<td>Landscape Hooder Curb</td>
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<td>Landscape Establishment</td>
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<td>Subtotal Landscaping &amp; Irrigation Items</td>
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<td>Benches</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
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<td>Seatswalls</td>
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<td>Bike Racks</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
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<td>Trash Binscapes</td>
<td>Each 1</td>
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<td>$0.00</td>
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<td>Parking Fountains</td>
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<td>Signage (Standard Traffic Control)</td>
<td>Each 1</td>
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<td>$0.00</td>
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<tr>
<td>Signage (Wayfinding)</td>
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<tr>
<td>Tree Grates</td>
<td>Each 1</td>
<td>$0.00</td>
<td>$0.00</td>
<td>Yes</td>
<td>$0.00</td>
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<tr>
<td>Subtotal Site Furnishings</td>
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<td></td>
<td></td>
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<td></td>
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<tr>
<td>Bicycle and Pedestrian Counters</td>
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<td>$0.00</td>
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<tr>
<td>Relocate Irrigation Structure</td>
<td>Each 2</td>
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<tr>
<td>Genera Grading Behind sidewalk</td>
<td>SF 7,600</td>
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<td>Tree Cuts</td>
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<tr>
<td>Subtotal Other Construction</td>
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<td></td>
<td></td>
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<tr>
<td>Contractor Mobilization</td>
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<tr>
<td>Construction Survey &amp; Legal</td>
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<tr>
<td>Construction Contingencies (15%)</td>
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<tr>
<td>Construction Administration (5%)</td>
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<tr>
<td>Subtotal Mobilization &amp; Administration Costs</td>
<td></td>
<td>$160,585.00</td>
<td>$160,585.00</td>
<td>Yes</td>
<td>$160,585.00</td>
</tr>
</tbody>
</table>

### TOTALS:

- Construction Or Implementation Cost (Part E): $711,046.34
- ADOT Fee For PE Reviews And Staff Charges (The higher of $20,000 or 2% of Total Cost (Part F)): $41,206.99
- Subtotal Construction Or Implementation Cost (Part E): $752,253.34
- ADOT Fee (Part F): $484,685.35
- Subtotal Construction Or Implementation Cost (Part E + Part F): $731,940.34
- Total Project Cost Including ADOT Fees (Part D + Part E): $784,835.69

---

**Buckeye: Miller Road Sidewalk**

**Sponsoring Agency:** Town of Buckeye

**Project Title:** Miller Road Sidewalk

**Application Date:** 10/16/2013

---

**Note(s):**

- **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.**

---

**Columns:**

- **Unit Quan.**
- **Unit Price**
- **Total**
- **Federally Eligible**
- **Local Funds (5.7%)**
- **Note(s)**

---

**Part E - 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.
### Cost Estimate for the Project Including ALL Segments

<table>
<thead>
<tr>
<th>Cost Estimate for the Project Including ALL Segments</th>
<th>Cost</th>
<th>Additional Notes (if needed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ADOT Fee</td>
<td>$20,000</td>
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</tr>
<tr>
<td>2. Design</td>
<td>$115,058</td>
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<tr>
<td>3. Right of way</td>
<td>$0</td>
<td></td>
</tr>
<tr>
<td>4. Utilities</td>
<td>$90,000</td>
<td></td>
</tr>
<tr>
<td>5. Construction</td>
<td>$525,982</td>
<td></td>
</tr>
<tr>
<td>6. Total Cost</td>
<td>$751,040</td>
<td></td>
</tr>
</tbody>
</table>

7. Will the agency maintain the improvement after it is completed?  

8. Expected Annual Maintenance Cost  

9. Identify Source of Maintenance Funds  

<table>
<thead>
<tr>
<th>Year</th>
<th>Local Funding Source</th>
<th>Total Cost</th>
<th>Federal Cost</th>
<th>Local Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>General Fund</td>
<td>$115,058</td>
<td>Not Available</td>
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</tr>
<tr>
<td>2014</td>
<td>General Fund</td>
<td>$20,000</td>
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<tr>
<td>2015</td>
<td>General Fund</td>
<td>$90,000</td>
<td>Not Available</td>
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</tr>
<tr>
<td>2016</td>
<td>General Fund</td>
<td>$412,979</td>
<td>$484,685</td>
<td>$525,982</td>
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<tr>
<td>14. Total Costs</td>
<td>$266,355</td>
<td>$484,685</td>
<td>$751,040</td>
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</table>
### Checklist

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

<table>
<thead>
<tr>
<th>COVER SHEET</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART A - Contacts and Project Description Fields</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Information, fields 1 – 5 are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Project Description, fields 6 - 8 are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Safe Routes to School, fields 9-12 are complete (if applicable)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART B - Project Description</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fields 1 - 11 (Project Description) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 12-14 (Transit and Access) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 15 – 19 (Attractors and Demographics) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 20 – 26 (Traffic, Environmental, ROW, and Utilities) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 27 – 29 (Guidelines, Policies, and Plans) are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 30 – 33 (Maintenance and Performance Measurement) are complete</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART C - Required Attachments</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field 1 - Project map is provided in the printed application and the PDF application</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 2 - Up to 4 photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page)</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 3 - Cross-section(s) provided in the printed application and the PDF application.</td>
<td>Yes</td>
</tr>
<tr>
<td>(OPTIONAL) - Up to 2 photos/renderings of the completed project are provided in the printed application and the PDF application.</td>
<td>No</td>
</tr>
<tr>
<td>(OPTIONAL) - Crash report(s) are provided in the printed application and the PDF application</td>
<td>No</td>
</tr>
<tr>
<td>(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART D - Cost Estimate Worksheet</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsoring Agency, Project Title, and Application Date are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part A - Scoping is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part B - Final Preliminary Engineering Design is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part C - Right-of-Way Acquisition is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part D - Utility Relocation is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Part E - Construction or Implementation is complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Parts F, G, and H - Costs are complete and accurate</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART E - Total Project Schedule and Budget Including All Segment Fields</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fields 1 – 6 are complete and costs are accurate</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 7 - 9 are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 10 – 13 Years are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 10 – 13 Local Funding Sources are complete</td>
<td>Yes</td>
</tr>
<tr>
<td>Fields 10 – 13 Local Costs are complete and accurate</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 10 - 13 Federal Costs are complete and accurate</td>
<td>Yes</td>
</tr>
<tr>
<td>Field 14 Total Costs are complete and accurate</td>
<td>Yes</td>
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</table>

<table>
<thead>
<tr>
<th>PART F - Signature and Checklist</th>
<th>Complete?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire checklist is completed.</td>
<td>Yes</td>
</tr>
<tr>
<td>Form is signed by MAG member agency's manager/administrator or designated representative.</td>
<td>Yes</td>
</tr>
<tr>
<td>Name, title and date fields under the signature are completed.</td>
<td>Yes</td>
</tr>
<tr>
<td>(SAFE ROUTES TO SCHOOL PROJECTS ONLY) - Additional signatures and related name, date, and title are completed.</td>
<td>Yes</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Signature:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>Scott W. Lowe, PE</td>
</tr>
<tr>
<td>Title:</td>
<td>Public Works Director</td>
</tr>
<tr>
<td>Date:</td>
<td>10/16/2013</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Signature:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>Title:</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
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</table>

**School District official (required):**

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>Title:</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
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</table>

**Law Enforcement Official (required):**

<table>
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</thead>
<tbody>
<tr>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>Title:</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
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</table>
## 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Severity 1</th>
<th>Severity 2</th>
<th>Severity 3</th>
<th>Severity 4</th>
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### Buckeye, Project #2, Pedestrian

### Buckeye, Project #2, Bicyclist