



Transportation Alternatives Application for FY 2016 Projects

Pioneer Community Park HAWK on 83rd Avenue

City of Peoria

**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	Peoria
2. Agency Contact Name	Brandon Forrey
3. Phone Number of Agency Contact	623-773-7201
4. E-Mail Address of Agency Contact	brandon.forrey@peoriaaz.gov
5. Mailing Address of Agency Contact	9875 N. 85th Ave. Peoria AZ 85345
Project Description	
6. Please provide the Project Title.	Pioneer Community Park HAWK on 83rd Avenue
7. Please provide a concise, specific description of the project (250 character limit):	
This project will provide a HAWK beacon for an uncontrolled staggered crosswalk with a pedestrian refuge island located on 83rd Avenue at Pioneer Community Park.	
8. Please provide the project limits:	
The project is located on 83rd Avenue at Alice Avenue.	
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)		
<input type="checkbox"/>	Shared-use path (10' min.)		Other:
<input type="checkbox"/>	Detached Sidewalk with 4' min. buffer		HAWK beacon crossing
<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="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="1"/>	Signalized midblock crossing/HAWK	<input type="text" value="0"/>	Number of bicycle/pedestrian counting devices
<input type="text" value="0"/>	Countdown Pedestrian Signal		
<input type="text" value="0"/>	Number of Bike racks/lockers		Other:
<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.

Pioneer Community Park is an 83-acre park that offers a variety of sport and recreation amenities. It opened in September 2013 and is generating crossings from the community west of the park across 83rd Avenue, a minor arterial street. Pedestrians currently cross at an uncontrolled staggered crosswalk, but Engineering staff and Police have been receiving several complaints about motorists not stopping for pedestrians in the crosswalk. A HAWK beacon will make this busy arterial street crossing safer and will be a great accommodation for this new major community destination.

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

This project will be the construction of a HAWK beacon at an existing staggered crosswalk with a pedestrian refuge island.

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

The goal is a highly visible mid-block crossing to encourage nearby residents to walk and bike to Pioneer Community Park rather than driving.

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

Please provide a summary of any car-bicycle and car-pedestrian crashes by crash severity, based on the context of your project, for each of the five most recent years (i.e. 2008-2012). You may attach crash reports or summarize their results below.

There has been one car/bicycle crashes and one car/pedestrian crashe reported on 83rd Ave within 1/4 mile of the project location in the past five years. 10/25/11 - pedacyclist hit by left turning car while riding across 83rd Avenue at 83rd Avenue in the crosswalk - injury severity 4. 4/20/12 - pedestrian failed to yield while crossing Olive Avenue mid-block east of 83rd Avenue - injury severity 4 (see attached crash report).

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

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

PART B-PROJECT DESCRIPTION	
8. How does this project improve upon an existing safety issue?	<div>This project will improve the safety of crossings to Pioneer Community Park by providing pedestrians with traffic control to stop motorists and enforce yielding. The mid-block location of the crossing will eliminate the biggest contributing factor toward car/bike and car/pedestrian collisions - turning vehicles.</div>
9. How does the project improve ADA facilities for persons with disabilities?	<div>This project will improve the comfort of people with disabilities to make the park more accessible.</div>
10. How does the project create a sense of place?	<div>The presence of the HAWK beacon will highlight the presence of the community park and give drivers an expectation to encounter pedestrians and bicyclists. This will marry with the new bike lanes, wide sidewalks, and landscaped medians in the vicinity of the park.</div>
11. Connectivity: (Check all that apply)	<div> <input checked="" type="checkbox"/> Project fills a gap in the system Explain: <div>Provides pedestrian and bike access from the communities west of 83rd Avenue to Pioneer Community Park.</div> </div> <div> <input type="checkbox"/> Project connects to other local bikeways List of connected bikeways: <div></div> </div> <div> <input type="checkbox"/> Multi Jurisdictional Project List of Participating Jurisdictions: <div></div> </div> <div> <input type="checkbox"/> 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> <input type="checkbox"/> 0 Within 1/4 mile List routes and frequency: <div></div> </div>
13. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:	<div> <input type="checkbox"/> 0 Within 1/4 mile List: <div></div> </div>
14. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:	<div>This crossing will provide a direct and convenient access for bicycles and pedestrians from the communities west of 83rd Avenue to the community park.</div>

PART B-PROJECT DESCRIPTION	
15. Number of activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:	
<input type="text" value="1"/>	Within 1/4 mile List: <input type="text" value="Pioneer Community Park"/>
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="1"/>	Within 1/4 mile List: <input type="text" value="Commercial and industry center on the south side of Olive Ave from 8100 W to 7700 W"/>
17. Number of K-8 public schools this project will benefit:	
<input type="text" value="1"/>	Within 1/4 mile List: <input type="text" value="Cotton Boll Elementary School"/>
18. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:	
<input type="text" value="0"/>	Within 1/4 mile List: <input type="text"/>
19. What are the demographics of the area served:	
<input type="text" value="1788"/>	People Per Square Mile
<input type="text" value="6.2"/>	% Families in Poverty
MAG Demographic Mapping 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:

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

83rd Avenue at Alice Avenue HAWK beacon crossing

Federal Functional Classification of the Facility:

Minor Arterial

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

Type of Facility the Improvement will be located on:

Arterial Road

Length (in Miles)

35 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.

8,528 ADT Estimate

4/4/12 Date Counted

Name of road the traffic count was taken from

83rd Avenue

Description of Methodology and Source used for the ADT Estimate

Pneumatic tube counters placed by United Civil Group.

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.

None known

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.

None

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: 2px; background-color: #e0f0e0;">No conflicts identified</div>	
27. Guidelines used to develop project: (Check all that apply)	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	AASHTO Guide for Bicycle Facilities MAG Pedestrian Policies and Design Guidelines MAG Complete Streets Guide MAG Designing Transit Accessible Communities NACTO Urban Bikeway Design Guide RPTA Bus Stop Program and Standards
<div style="display: flex; justify-content: space-between;"> <div>Other:</div> <div style="border: 1px solid black; width: 150px; height: 30px; background-color: #e0f0e0;"></div> </div>	
28. Jurisdiction has the following policies for improved bicycle/shared use facilities:	
With new development and capital improvement projects, bike lanes on arterial streets are:	<div style="border: 1px solid black; background-color: #e0f0e0; padding: 2px;">Required</div>
With new development and capital improvement projects, bike lanes on collector streets are:	<div style="border: 1px solid black; background-color: #e0f0e0; padding: 2px;">Required</div>
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<div style="border: 1px solid black; background-color: #e0f0e0; padding: 2px;">Required</div>
With new development or during development retrofits, shared-use paths are:	<div style="border: 1px solid black; background-color: #e0f0e0; padding: 2px;">Recommend</div>
Bicycle program implemented, including bike education, safety events, and bike maps	<div style="border: 1px solid black; background-color: #e0f0e0; padding: 2px;">Yes</div>
Complete Streets Policy	<div style="border: 1px solid black; background-color: #e0f0e0; padding: 2px;">Yes</div>
29. The project is: (Check one)	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <div style="border: 1px solid black; height: 20px; background-color: #e0f0e0;"></div> Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; padding: 2px; background-color: #e0f0e0;">General Plan and supporting documents all support improving pedestrian and bicycle access to community destinations.</div> Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; height: 20px; background-color: #e0f0e0;"></div>
30. Identify the organization(s) responsible for on-going maintenance and repairs of the project:	
<div style="border: 1px solid black; padding: 2px; background-color: #e0f0e0;">City of Peoria Public Works Department</div>	
31. How will the applicant measure the success of this project?	
<div style="border: 1px solid black; padding: 2px; background-color: #e0f0e0;">Counts of pedestrian crossings will be collected before and after the project.</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: 2px; background-color: #e0f0e0;">Engineering staff typically responsible for field observations and counts will perform the manual counts at this location at no additional cost to the department.</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: 2px; background-color: #e0f0e0;">Peoria's Office of Communications will work with local newspapers to print an article on the HAWK and the locations for its installation. Additionally, information on HAWK crossings will be updated on the Peoria website and HAWK flyers will be provided for distribution at Pioneer Community Park.</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"

Pioneer Community Park HAWK on 83rd Avenue



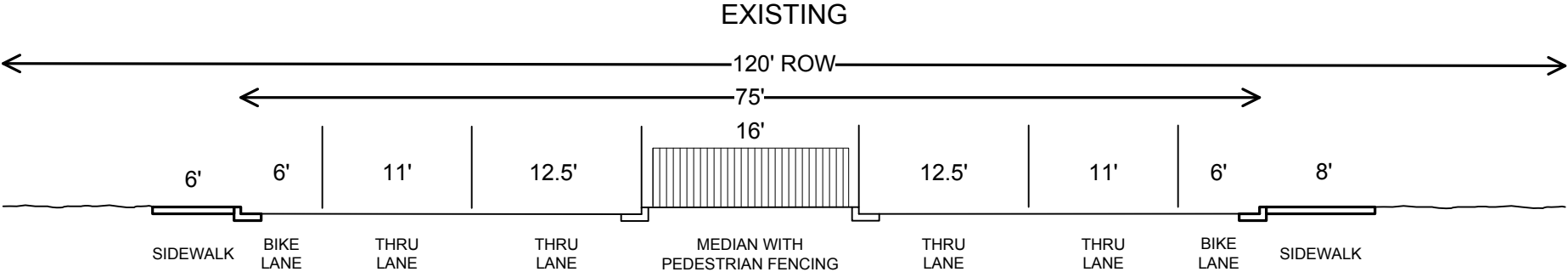


83rd Avenue at Alice Avenue facing north at proposed HAWK location



83rd Avenue at Alice Avenue facing south at proposed HAWK location

CROSS SECTION DETAIL
83rd Avenue at Alice Avenue



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:	City of Peoria	Project Title:	Pioneer Community Park HAWK on 83rd Avenue	Application Date:	10/22/2013
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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	0	\$0.00	\$0.00	No	\$0.00	\$0.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	0	\$0.00	\$0.00	No	\$0.00	\$0.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00		
	Subtotal Scoping (Part A)				\$8,000.00		\$0.00	\$8,000.00		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$30,000.00	\$30,000.00	No	\$0.00	\$30,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00		
	3. DRAINAGE REPORT	LS	1	\$1,500.00	\$1,500.00	No	\$0.00	\$1,500.00		
	4. SWPPP	LS	1	\$2,000.00	\$2,000.00	No	\$0.00	\$2,000.00		
	Subtotal PE (Part B)				\$36,500.00		\$0.00	\$36,500.00		
	Subtotal Preliminary Engineering (Part A + Part B)				\$44,500.00		\$0.00	\$44,500.00		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	0	\$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	0	\$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 SWPP Measures		LS	1	\$1,000.00	\$1,000.00	Yes	\$943.00	\$57.00
		Site Preparation		LS	1	\$1,000.00	\$1,000.00	Yes	\$943.00	\$57.00
		Demolition	Sawcut	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Structures and Obstructions	LS	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Fencing	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Asphaltic Concrete Pavement	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Concrete Sidewalks, Slabs	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Hazmat Abatement		LS	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Earthwork	General Excavation	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Drainage Excavation	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Aggregate Base		CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pathway Or Sidewalk Materials	Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Colored Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	Ton	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Polymer or Resin Stabilized Surface	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Concrete Pavers	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Integral Color Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pedestrian ADA Ramp		SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Culvert Extensions		LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pedestrian Lighting Including Conduit And Trenching		Each	4	\$1,500.00	\$6,000.00	Yes	\$5,658.00	\$342.00
		Handrail	Standard	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Decorative	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Subtotal Hardscape Construction					\$8,000.00	\$7,544.00	\$456.00	

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:	City of Peoria	Project Title:	Pioneer Community Park HAWK on 83rd Avenue	Application Date:	10/22/2013
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
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	CY	0	\$0.00	Yes	\$0.00	\$0.00	
			Organic	CY	0	\$0.00	Yes	\$0.00	\$0.00	
		Topsoil		CY	0	\$0.00	Yes	\$0.00	\$0.00	
		Seeding		Acre	0	\$0.00	Yes	\$0.00	\$0.00	
		Turf Sod		SY	0	\$0.00	Yes	\$0.00	\$0.00	
		Boulders		Each	0	\$0.00	Yes	\$0.00	\$0.00	
		Irrigation System	Drip	SF	0	\$0.00	Yes	\$0.00	\$0.00	
			Turf	SF	0	\$0.00	Yes	\$0.00	\$0.00	
		Sleeving For Irrigation System	Directional Bore	LF	0	\$0.00	Yes	\$0.00	\$0.00	
			Cut and Patch	LF	0	\$0.00	Yes	\$0.00	\$0.00	
		Landscape Header Curb		LF	0	\$0.00	Yes	\$0.00	\$0.00	
		Landscape Establishment		LS	0	\$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)	Each	1	\$9,500.00	\$9,500.00	Yes	\$8,958.50	\$541.50	
		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			\$9,500.00			\$8,958.50	\$541.50	
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter	Each	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Signal cabinet w/ controller video, etc.	Each	1	\$35,000.00	\$35,000.00	Yes	\$33,005.00	\$1,995.00	
		Signal poles with foundations, mast arms, and heads	Each	2	\$22,000.00	\$44,000.00	Yes	\$41,492.00	\$2,508.00	
		Pull boxes, conduit, courtesy pads, and screen wall	Each	1	\$9,000.00	\$9,000.00	Yes	\$8,487.00	\$513.00	
		Ped push buttons and ped countdown signals	Each	2	\$1,000.00	\$2,000.00	Yes	\$1,886.00	\$114.00	
		Meter pedestal w/ service	Each	1	\$3,500.00	\$3,500.00	Yes	\$3,300.50	\$199.50	
		Electrical conduit and wire	LF	600	\$30.00	\$18,000.00	Yes	\$16,974.00	\$1,026.00	
		Wiring	Each	1	\$15,000.00	\$15,000.00	Yes	\$14,145.00	\$855.00	
		ITS fiber and integration	Each	1	\$12,000.00	\$12,000.00	Yes	\$11,316.00	\$684.00	
				1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Subtotal Other Construction			\$138,500.00			\$130,605.50	\$7,894.50	
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$3,500.00	\$3,500.00	No	\$0.00	\$3,500.00	
		Traffic Control	LS	1	\$9,000.00	\$9,000.00	Yes	\$8,487.00	\$513.00	
		Construction Survey & Layout	LS	1	\$2,500.00	\$2,500.00	Yes	\$2,357.50	\$142.50	
		Construction Contingencies	LS	1	\$21,000.00	\$21,000.00	Yes	\$19,803.00	\$1,197.00	
		Construction Administration	LS	1	\$24,000.00	\$24,000.00	Yes	\$22,632.00	\$1,368.00	
		Subtotal Mobilization & Administration Costs			\$60,000.00			\$53,279.50	\$6,720.50	
Subtotal Construction Or Implementation Cost (Part E)					\$216,000.00			\$200,387.50	\$15,612.50	
F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)					\$260,500.00			\$200,387.50	\$60,112.50	
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)					\$280,500.00			\$200,387.50	\$80,112.50	

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.

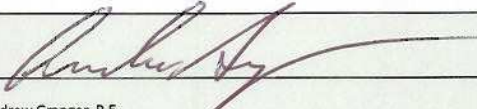
The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified 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	\$44,500				
3. Right of way	\$0				
4. Utilities	\$0				
5. Construction	\$216,000				
6. Total Cost	\$280,500				
7. Will the agency maintain the improvement after it is completed?		Yes			
8. Expected Annual Maintenance Cost		2,500			
9. Identify Source of Maintenance Funds		HURF - Streets Fund			
Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
10. Design	2016	Sales Tax	\$44,500	Not Available	\$44,500
11. ADOT Fee	2016	Sales Tax	\$20,000	Not Available	\$20,000
12. Right of way and Utilities			\$0	Not Available	\$0
13. Construction	2016	Sales Tax	\$15,613	\$200,388	\$216,000
14. Total Costs			\$80,113	\$200,388	\$280,500

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.	
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)	
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.	

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:	Andrew Granger, 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:	