



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

Surprise Original Town Site (OTS) Bike Lanes

City of Surprise

**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)

Surprise: Surprise Original Town Site Bike Lanes

PART A - CONTACT AND PROJECT DESCRIPTION	
Contact Information	
1. Name of Sponsoring Agency	Surprise
2. Agency Contact Name	Martin Lucero
3. Phone Number of Agency Contact	623-222-3142
4. E-Mail Address of Agency Contact	Martin.Lucero@surpriseaz.gov
5. Mailing Address of Agency Contact	16000 N. Civic Center Plaza, Community and Economic Development, Surprise, AZ 85374
Project Description	
6. Please provide the Project Title.	Surprise Original Town Site Bike Lanes
7. Please provide a concise, specific description of the project (250 character limit):	
<p style="text-align: center;">Stripe 7 feet wide bike lanes on both sides of Paradise Lane, Rimrock Street, Ironwood Street, Ocotillo Street, Factory Street, and Jerry Street, and on the north side of Greenway Road in the Surprise Original Town Site.</p>	
8. Please provide the project limits:	
<p>Paradise Lane from Nash Street to El Mirage Road. Rimrock Street from Hollyhock Street to Jerry Street. Ironwood Street from Hollyhock Street to Jerry Street. Ocotillo Street from Verde Street to Jerry Street. Greenway Road from Verde Street to El Mirage Road. Factory Street from Paradise Lane to Greenway Road. Jerry Street from Paradise Lane to Greenway Road.</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 checked="" 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	<input type="text"/>	
<input type="checkbox"/>	Sidewalk (5' min.)		

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

<input type="checkbox"/>	Bridge (overpass)	<input type="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.

Project roadways are 38 feet wide curb to curb, without bike lanes. Currently, bicyclists have to ride on the street without striped dedicated lanes for bicyclists.

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

Seven feet wide bike lanes would be installed on both sides of the project streets to provide for bicyclists' safety. Project includes pavement markings and all necessary signage to designate bike lanes.

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

Increase awareness and safety of bicyclists.

6. Please provide a summary of any car-bicycle and car-pedestrian crashes by crash severity within 1/2 mile, based on the context of your project, for each of the five most recent years (i.e. 2008-2012)

The City of Surprise 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 checked="" type="checkbox"/>	Wide bike lanes (6'-7')	<input type="text"/>	Buffer Zone, Width
<input type="checkbox"/>	Wide sidewalk (8' min.)	<input type="text"/>	
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)	Other	
<input type="checkbox"/>	Signalized crossing/Ped countdown/HAWK	<input type="text" value="Signs and pavement markings"/>	
<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?	<div style="border: 1px solid black; padding: 5px; min-height: 40px;"> There are currently no bike lanes on these streets. This project will install bike lanes and all pertinent signs and pavement markings. </div>
9. How does the project improve ADA facilities for persons with disabilities?	<div style="border: 1px solid black; padding: 5px; min-height: 40px;"> n/a </div>
10. How does the project create a sense of place?	<div style="border: 1px solid black; padding: 5px; min-height: 40px;"> Having striped bike lanes increases safety for bicyclists and allow residents to use the streets more often in ways that could increase neighborhood interaction. </div>
11. Connectivity: (Check all that apply)	<div style="border: 1px solid black; padding: 5px;"> <div style="margin-bottom: 10px;"> <input checked="" type="checkbox"/> Project fills a gap in the system Explain: <div style="border: 1px solid black; padding: 2px; min-height: 15px;"> Connects to existing bikes lanes in OTS residential neighborhoods and retail/commercial centers. </div> </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> Project connects to other local bikeways List of connected bikeways: <div style="border: 1px solid black; padding: 2px; min-height: 15px;"> </div> </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> Multi Jurisdiccional Project List of Participating Jurisdictions: <div style="border: 1px solid black; padding: 2px; min-height: 15px;"> </div> </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> 3.7 Total length of facilities connected by this project (in miles) </div> </div>
12. Number of transit stops this project will connect to. Do NOT count major transit facilities (park and rides, transit centers, etc.) in this question. List associated route(s) and their peak frequency, using Valley Metro as the source.	<div style="border: 1px solid black; padding: 5px;"> <div style="margin-bottom: 10px;"> <input type="checkbox"/> 0 Within 1/2 mile List routes and frequency: <div style="border: 1px solid black; padding: 2px; min-height: 15px;"> n/a </div> </div> </div>
13. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:	<div style="border: 1px solid black; padding: 5px;"> <div style="margin-bottom: 10px;"> <input type="checkbox"/> 0 Within 1/2 mile List: <div style="border: 1px solid black; padding: 2px; min-height: 15px;"> n/a </div> </div> </div>
14. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:	<div style="border: 1px solid black; padding: 5px; min-height: 40px;"> Proposed bike lanes will increase safety and improve access for bicyclists from the OTS residential neighborhoods to the adjacent retail/commercial centers along Bell Road, and community services within OTS. </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="8"/>	Within 1/2 mile List: <input type="text" value="Three Star Park, Bicentennial Park, Gaines Park, Villanueva Recreation Center, Hollyhock Branch Library, Surprise Senior Center, Community Center, Hollyhock Community Pool."/>
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="7"/>	Within 1/2 mile List: <input type="text" value="Crossroads Towne Center, AZ TechCelerator, Crossroads Lakes Professional Offices, Desert Mirage Medical Plaza, Crossroads Office Plaza, Courtyard at Surprise, several fast food and sit-down restaurants"/>
17. Number of K-8 public schools this project will benefit:	
<input type="text" value="0"/>	Within 1/2 mile List: <input type="text" value="n/a"/>
18. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:	
<input type="text" value="0"/>	Within 1/2 mile List: <input type="text" value="n/a"/>
19. What are the demographics of the area served: MAG Demographic Mapping	
<input type="text" value="4683"/>	People Per Square Mile
<input type="text" value="40.4"/>	% Families in Poverty
<p>Use the MAG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census blocks adjacent to your project, left-clicking where needed to change the direction of the line Double-click to finish drawing the line. The selected census blocks will become highlighted in blue. A pop-up box will appear with "Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the printer icon at the top-right side of the pop-up window) for your records.</p>	

PART B-PROJECT DESCRIPTION

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

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

Paradise Ln from Nash St to El Mirage Rd. Rimrock St from Hollyhock St to Jerry St. Ironwood St from Hollyhock St to Jerry St. Ocotillo St from Verde St to Jerry St. Greenway Rd from Verde St to El Mirage Rd. Factory St from Paradise Ln to Greenway Rd. Jerry St from Paradise Ln to Greenway Rd.

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:

Local Street

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

Type of Facility the Improvement will be located on:

Residential Road

2.5 Length (in Miles)

25 Posted Speed Limit (MPH)

2 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.

2,000 ADT Estimate

3/28/12 Date Counted

Name of road the traffic count was taken from

Intersection of Nash Street and Elm Street.

Description of Methodology and Source used for the ADT Estimate

Manual intersection turning movement count conducted by Field Data Services of Arizona, Inc. The nearest traffic counts taken to the proposed project represent 80% of the volume within the Original Town Site location. As the project is not on one facility we have taken the nearest inlet to the project site.

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

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. All proposed work will be done within existing right-of-way and on existing pavement.

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; height: 60px; background-color: #e0e0e0; padding: 5px;">None</div>												
27. Guidelines used to develop project: (Check all that apply)	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <input type="checkbox"/> AASHTO Guide for Bicycle Facilities <input 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 </td> <td style="width: 50%; border: none;"> Other: <div style="border: 1px solid black; padding: 2px;">City of Surprise Engineering Design Standards (EDS) will be followed. The EDS has adopted AASHTO and MAG design guidelines to meet the City requirements.</div> </td> </tr> </table>	<input type="checkbox"/> AASHTO Guide for Bicycle Facilities <input 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	Other: <div style="border: 1px solid black; padding: 2px;">City of Surprise Engineering Design Standards (EDS) will be followed. The EDS has adopted AASHTO and MAG design guidelines to meet the City requirements.</div>										
<input type="checkbox"/> AASHTO Guide for Bicycle Facilities <input 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	Other: <div style="border: 1px solid black; padding: 2px;">City of Surprise Engineering Design Standards (EDS) will be followed. The EDS has adopted AASHTO and MAG design guidelines to meet the City requirements.</div>												
28. Jurisdiction has the following policies for improved bicycle/shared use facilities:	<table style="width: 100%; border: none;"> <tr> <td style="width: 85%;">With new development and capital improvement projects, bike lanes on arterial streets are:</td> <td style="width: 15%; text-align: center;">Recommend</td> </tr> <tr> <td>With new development and capital improvement projects, bike lanes on collector streets are:</td> <td style="text-align: center;">Recommend</td> </tr> <tr> <td>With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:</td> <td style="text-align: center;">Not Addressed</td> </tr> <tr> <td>With new development or during development retrofits, shared-use paths are:</td> <td style="text-align: center;">Not Addressed</td> </tr> <tr> <td>Bicycle program implemented, including bike education, safety events, and bike maps</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Complete Streets Policy</td> <td style="text-align: center;">No</td> </tr> </table>	With new development and capital improvement projects, bike lanes on arterial streets are:	Recommend	With new development and capital improvement projects, bike lanes on collector streets are:	Recommend	With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Not Addressed	With new development or during development retrofits, shared-use paths are:	Not Addressed	Bicycle program implemented, including bike education, safety events, and bike maps	No	Complete Streets Policy	No
With new development and capital improvement projects, bike lanes on arterial streets are:	Recommend												
With new development and capital improvement projects, bike lanes on collector streets are:	Recommend												
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Not Addressed												
With new development or during development retrofits, shared-use paths are:	Not Addressed												
Bicycle program implemented, including bike education, safety events, and bike maps	No												
Complete Streets Policy	No												
29. The project is: (Check one)	<table style="width: 100%; border: none;"> <tr> <td style="width: 5%;"><input type="checkbox"/></td> <td style="width: 95%;">Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <div style="border: 1px solid black; height: 15px; width: 100%; margin-top: 2px;"></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: 2px;">Engineering Design Standards specifies bike lanes on residential collector streets</div></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; height: 15px; width: 100%; margin-top: 2px;"></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; height: 15px; width: 100%; margin-top: 2px;"></div>	<input checked="" type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; padding: 2px;">Engineering Design Standards specifies bike lanes on residential collector streets</div>	<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; height: 15px; width: 100%; margin-top: 2px;"></div>						
<input type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <div style="border: 1px solid black; height: 15px; width: 100%; margin-top: 2px;"></div>												
<input checked="" type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <div style="border: 1px solid black; padding: 2px;">Engineering Design Standards specifies bike lanes on residential collector streets</div>												
<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <div style="border: 1px solid black; height: 15px; width: 100%; margin-top: 2px;"></div>												
30. Identify the organization(s) responsible for on-going maintenance and repairs of the project:	<div style="border: 1px solid black; padding: 5px; background-color: #e0e0e0;">Public Works, Street Maintenance Division.</div>												
31. How will the applicant measure the success of this project?	<div style="border: 1px solid black; padding: 5px; background-color: #e0e0e0;">The success will be measured by an increase in mode share split within the project area. Currently the area contains multiple community recreation attractors that are located on the outer boundaries. These facilities will help distribute the trips among other modes of transportation while encouraging speed reduction.</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; background-color: #e0e0e0;">No</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; background-color: #e0e0e0;">No</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.

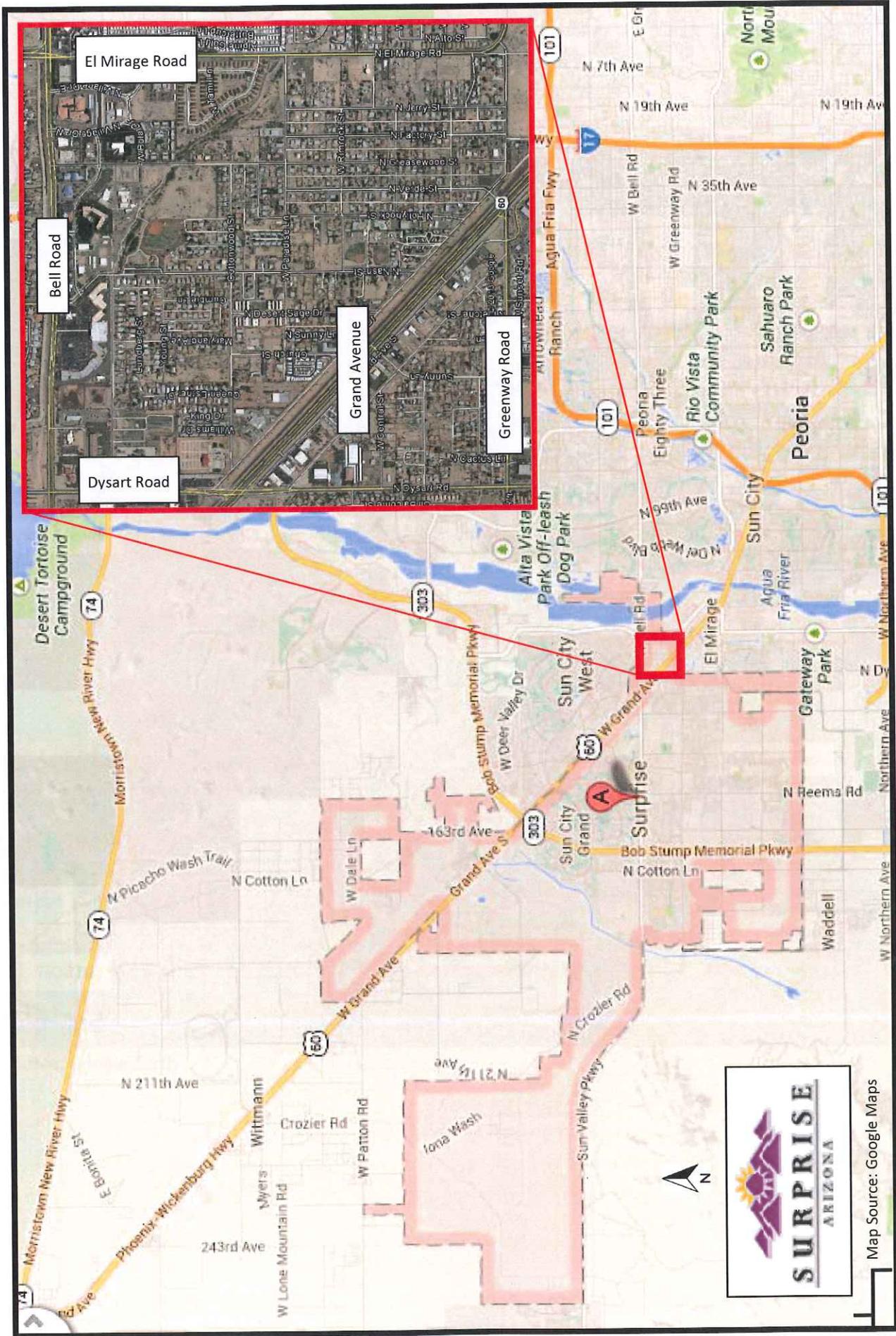
OPTIONAL Attachments:

(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.

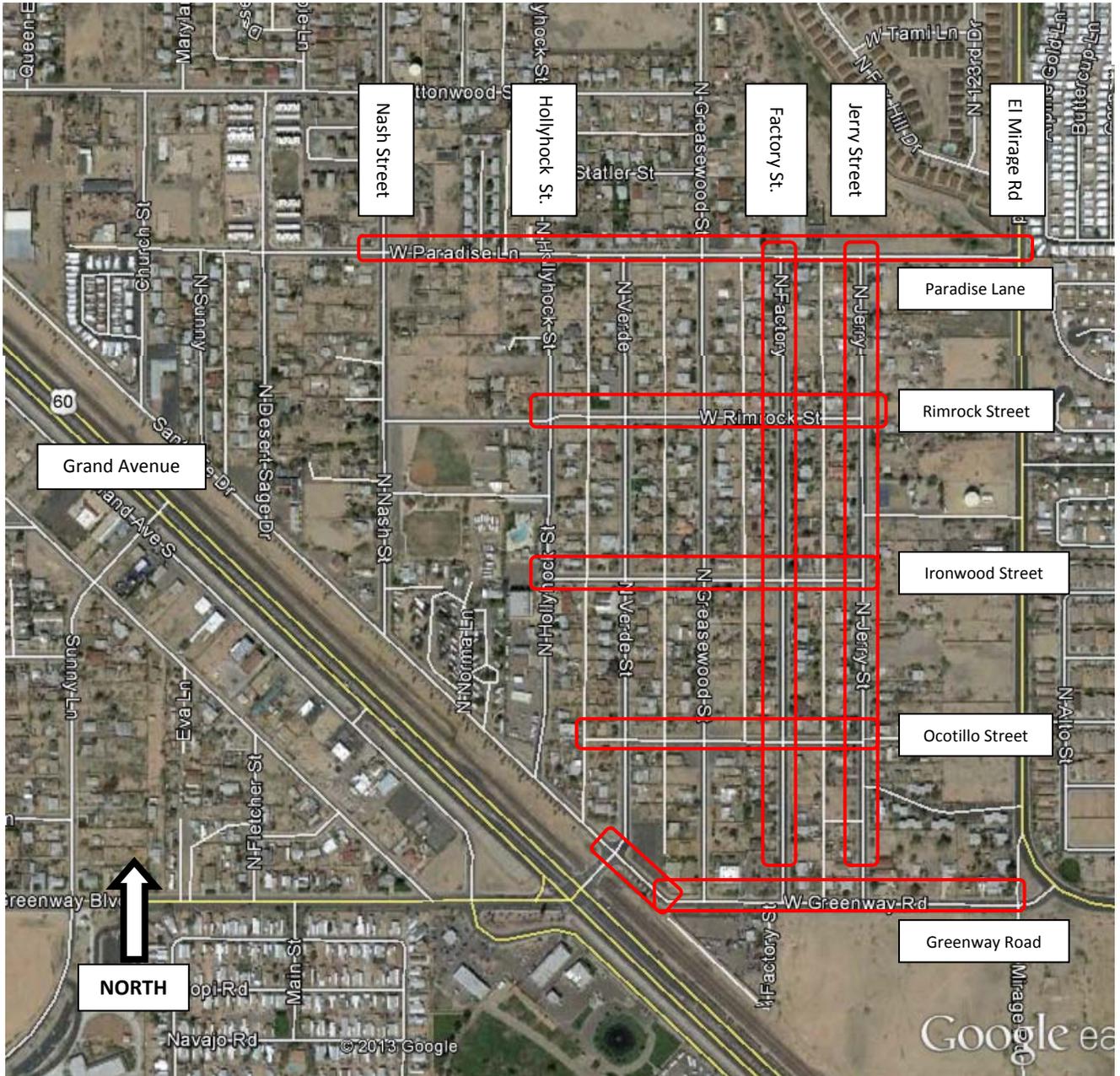
(OPTIONAL) If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions"

Project Vicinity Map
City of Surprise – Original Town Site Bike Lanes

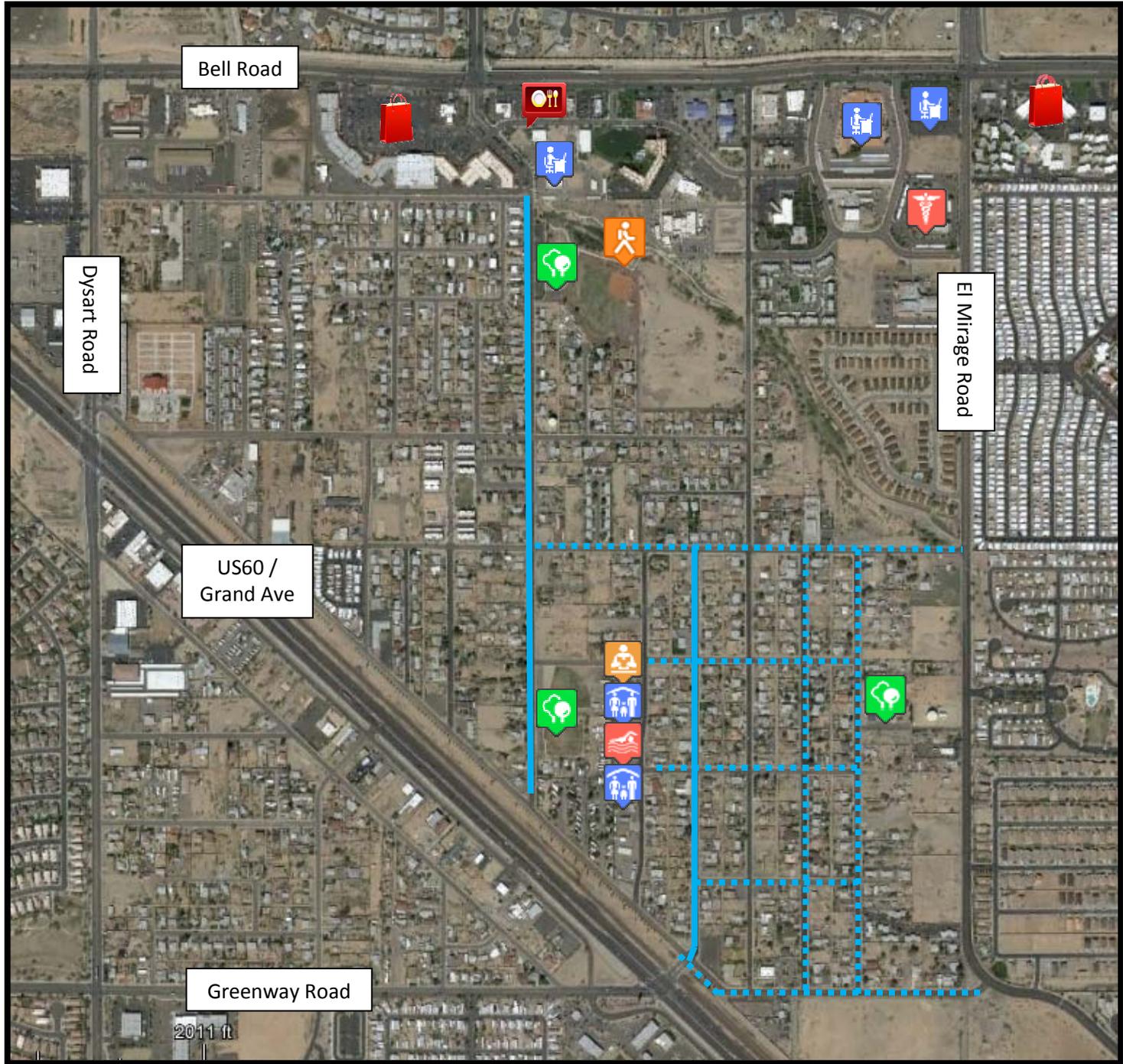


Map Source: Google Maps

Attachment 1
Proposed Project Location



Map Source: Google Earth



Legend

-  Existing Bike Lanes
-  Proposed Bike Lanes
-  Lizard Run Trail (0.4 miles)
- 
 - Crossroads Town Center
 - Courtyard at Surprise
- 
 - 5+ Restaurants
- 
 - Crossroads Lakes Prof. Offices
 - AZ TechCelerator
 - Crossroads Office Plaza
- 
 - Desert Mirage Medical Plaza
- 
 - Bicentennial Park
 - Gaines Park
 - Three Star Park
- 
 - Hollyhock Branch Library
- 
 - Surprise Senior Center
- 
 - Surprise Community Center
- 
 - Villanueva Recreation Center
- 
 - Hollyhock Community Pool



Maps are not to scale and show approximate locations only. The information in this document is indicative and is intended to act as a guide only.



Factory Street, facing north, south of Ironwood Street



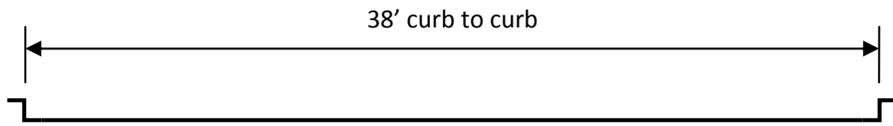
Jerry Street at Three Star Park



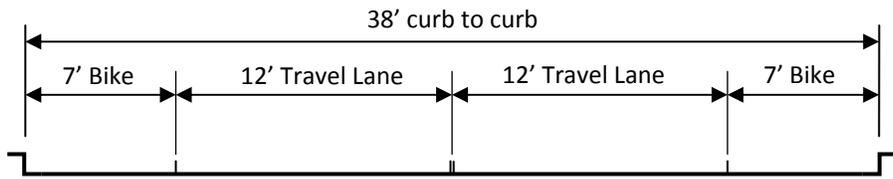
Paradise Lane, facing east, west of Hollyhock Street



Rimrock Street, facing east, west of Verde Street



Typical Existing Cross Section
(No striping)



Typical Proposed 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:		City of Surprise	Project Title:		Surprise Original Town Site Bike Lanes	Application Date:		22-Oct-13		
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	\$2,500.00	\$2,500.00	No	\$0.00	\$2,500.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$1,500.00	\$1,500.00	No	\$0.00	\$1,500.00		
	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	\$500.00	\$500.00	No	\$0.00	\$500.00		
	Subtotal Scoping (Part A)					\$9,500.00		\$0.00	\$9,500.00	
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$1,500.00	\$1,500.00	No	\$0.00	\$1,500.00		
	3. DRAINAGE REPORT	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	4. SWPPP	LS	1	\$0.00	\$0.00	No	\$0.00	\$0.00		
	Subtotal PE (Part B)					\$16,500.00		\$0.00	\$16,500.00	
Subtotal Preliminary Engineering (Part A + Part B)					\$26,000.00		\$0.00	\$26,000.00		
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 SWPP Measures		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Site Preparation		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Demolition	Sawcut	LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			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	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Drainage Excavation	CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation	CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill	CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)	CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Aggregate Base		CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pathway Or Sidewalk Materials	Concrete	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Colored Concrete	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	Ton	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Polymer or Resin Stabilized Surface	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Concrete Pavers	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Stamped Concrete	SF	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		SF	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		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					\$0.00		\$0.00	\$0.00		

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 Surprise	Project Title:		Surprise Original Town Site Bike Lanes	Application Date:		22-Oct-13			
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		\$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	18	\$90.00	\$1,620.00	Yes	\$1,527.66	\$92.34		
		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					\$1,620.00		\$1,527.66	\$92.34	
		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	
	Striping		LF	40,590	\$0.80	\$32,472.00	Yes	\$30,621.10	\$1,850.90		
	Micro-Surface		SY	57,127	\$2.50	\$142,817.50	Yes	\$134,676.90	\$8,140.60		
					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					\$175,289.50		\$165,298.00	\$9,991.50		
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$8,800.00	\$8,800.00	Yes	\$8,298.40	\$501.60		
		Traffic Control	LS	1	\$3,500.00	\$3,500.00	Yes	\$3,300.50	\$199.50		
		Construction Survey & Layout	LS	1	\$1,750.00	\$1,750.00	Yes	\$1,650.25	\$99.75		
		Construction Contingencies	LS	1	\$8,800.00	\$8,800.00	Yes	\$8,298.40	\$501.60		
		Construction Administration	LS	1	\$27,000.00	\$27,000.00	Yes	\$25,461.00	\$1,539.00		
		Subtotal Mobilization & Administration Costs					\$49,850.00		\$47,008.55	\$2,841.45	
	Subtotal Construction Or Implementation Cost (Part E)					\$226,759.50		\$213,834.21	\$12,925.29		
F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)						\$252,759.50		\$213,834.21	\$38,925.29		
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)						\$272,759.50		\$213,834.21	\$58,925.29		

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	n/a
2. Design	\$26,000	n/a
3. Right of way	\$0	n/a
4. Utilities	\$0	n/a
5. Construction	\$226,760	n/a
6. Total Cost	\$272,760	n/a

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

8. Expected Annual Maintenance Cost

9. Identify Source of Maintenance Funds

Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
10. Design	2015	HURF	\$26,000	Not Available	\$26,000
11. ADOT Fee	2015	HURF	\$20,000	Not Available	\$20,000
12. Right of way and Utilities			\$0	Not Available	\$0
13. Construction	2016	HURF	\$12,925	\$213,834	\$226,760
14. Total Costs			\$58,925	\$213,834	\$272,760

PART F - SIGNATURE AND CHECKLIST	
<h1>Checklist</h1>	
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.	
(OPTIONAL) - Crash report(s) are provided in the printed application and the PDF application	
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	
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.	Yes

SIGNATURE(S):

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

Signature:	
Name:	Martin Lucero
Title:	Transportation Planning Manager
Date:	22-Oct-13

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

Surprise, Project #1, Pedestrian						
Year	Severity					5 total
	1	2	3	4	5	
2008	0	1	0	1	0	2
2009	0	0	0	0	0	0
2010	0	1	0	0	0	1
2011	0	0	1	0	0	1
2012	0	0	0	1	1	2
2013	0	0	0	0	0	0
<i>total</i>	<i>0</i>	<i>2</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>6</i>

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