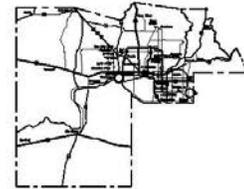


PROJECT LOCATION MAP - Van Buren Multi-Use Recreational Corridor



MARICOPA COUNTY



Not to Scale

FY 2015, 2016, and 2017 Projects

Van Buren Multi-Use Recreational Corridor

City of Avondale

**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)

Avondale: Van Buren Multi-Use Recreational Corridor

PART A - CONTACT AND PROJECT DESCRIPTION	
Contact Information	
1. Name of Sponsoring Agency	Avondale
2. Agency Contact Name	Janice Simpson
3. Phone Number of Agency Contact	623-333-1025
4. E-Mail Address of Agency Contact	jsimpson@avondale.org
5. Mailing Address of Agency Contact	11465 W Civic Center Drive Avondale, AZ 85323
Project Description	
6. Please provide the Project Title.	Van Buren Multi-Use Recreational Corridor
7. Please provide a concise, specific description of the project (250 character limit):	
<p>This project will provide a safe pedestrian and bicycle corridor from the Agua Fria River to 113th Avenue, connecting to the existing trail system and providing a beautiful and secure corridor that pedestrians, bicyclists and residents can use to access City Center and the future Transit Center.</p>	
8. Please provide the project limits:	
<p>North side of Van Buren Street from the Agua Fria River to 113th Avenue (1.7 miles).</p>	
Safe Routes to School (if project is NOT a Safe Routes to School project, proceed to Part B)	
9. School Name	N/A
10. School Address	N/A
11. School City, State, ZIP Code	N/A
12. School Contact Name	N/A

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 checked="" type="checkbox"/>	Shared-use path (10' min.)		Other:
<input type="checkbox"/>	Detached Sidewalk with 4' min. buffer		12 foot wide (min) pedestrian and bicycle path, lighting, landscaping, water fountains, and other pedestrian and bicycle amenities.
<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="600"/>	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="10"/>	Number of Seating/Rest Area(s)
<input type="text" value="0"/>	Signalized midblock crossing/HAWK	<input type="text" value="1"/>	Number of bicycle/pedestrian counting devices
<input type="text" value="3"/>	Countdown Pedestrian Signal		Other:
<input type="text" value="8"/>	Number of Bike racks/lockers		There are 3 signalized crossings under existing conditions.
<input type="text" value="10"/>	Number of Drinking Fountains		
<input type="text" value="20"/>	Number of Way-finding Signs		
<input type="text" value="20"/>	Number of Trash receptacles		

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

Flood Control District of Maricopa County (FCDMC) and the City are jointly designing the Van Buren Multi-Use Recreational Corridor. FCDMC will partner in the costs of the drainage components and will only allow minimal pedestrian, bicycle, landscaping and lighting. Per the IGA, the City has agreed to pay for 70% of the costs. In addition, many of the pedestrian, bicycle, landscaping, and lighting components will not be covered by the IGA and the City will have to finance these important pedestrian and bicycle components. The City is actively acquiring rights-of-way for the project and will have all rights-of-way acquired for this FY 2017 project. Starting in September 2014, the City of Avondale will be relocating all utilities within the projects' footprint including dipping or relocating all water, telecommunication, power and irrigation facilities. This effort will take approximately 12 months and will be ready in September 2015.

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

FCDMC and the City have finalized the DCR and will be selecting a Consultant in Jan 2014 to finalize the construction documents. Design will take 18 months and therefore, the City will bid this proposed project in FY2017 (Federal/ADOT) providing a substantial buffer. Currently, the City is actively acquiring rights-of-way for the project. Starting in June 2014, the City of Avondale will be relocating all utilities within the projects' footprint including dipping all water, telecommunication, power and irrigation. The City expects all rights-of-way and utilities to be acquired and relocated by June 2016.

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

The Van Buren Multi-Use Recreational Corridor will provide a safe corridor for residents, pedestrians, and cyclists from the Agua Fria River to 113th Avenue and provide connectivity to Agua Fria Trail system, City Center, City Hall, City Center Transit Facility, retail, commercial, employment hubs, and a host of other destinations. The corridor will be used by residents who live in the area and who want their children to play in close proximity as well as those who want a safe alternative way to get to retail and shopping and other activities. The amenities will attract residents from other areas and become a destination for many who don't have similar facilities in their area.

PART B-PROJECT DESCRIPTION

6. Please provide a summary of any car-bicycle and car-pedestrian crashes by crash severity within 1/4 mile, based on the context of your project, for each of the five most recent years (i.e., 2008-2012)

<u>Bike/Ped Crash Severity</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Fatal	0	0	0	0	0
Incapacitating Injury	0	0	0	0	0
Non-Incapacitating Injury	0	1	0	0	0
Possible Injury	0	0	0	1	0
Property Damage Only	0	0	2	0	1

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 checked="" type="checkbox"/>	Wide sidewalk (8' min.)		30 to 50 feet
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		
<input type="checkbox"/>	Signalized crossing/Ped countdown/HAWK	Other	
<input checked="" type="checkbox"/>	Lighting		12 foot (min) bike and pedestrian trail
<input type="checkbox"/>	Striping/re-striping of roadway		
<input checked="" type="checkbox"/>	Countdown signals		

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

This project will greatly increase the safety for pedestrians, cyclists, and improve the corridor's look and renew the community's pride of ownership. The Multi-Use Path will provide a safe corridor for pedestrians and cyclists, as well as provide the much needed connectivity to the Agua Fria Trail System (Friendship Park to MC85). Currently, the sidewalk is non-continuous and many segments are non-ADA compliant. The proposed Multi-Use Path Project (12 feet minimum) will provide a safe pedestrian and bicycle facility for the community. Under existing conditions, there are no bike lanes along this segment of Van Buren and based upon the existing width of roadway, bike lanes cannot be striped in. In addition, the City's Zoom Circulator and the Valley Metro Bus Line 3 travel Van Buren. Without the connectivity, persons with disabilities who live within this area will not be able to access the variable bus lines along Van Buren due to the segmented sidewalk facilities. Special care will be taken during design to make sure every detail is scrutinized ensuring persons with disabilities can safely use the facilities.

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

The entire corridor between the Agua Fria River and 113th Avenue has sporadic segments of sidewalk. The sidewalk could potentially be used by persons with disabilities however, there is no connectivity which makes it impossible for those with disabilities use this segment of Van Buren. Van Buren, a major arterial corridor, has major retail and commercial centers, and employment centers. In addition, the City's Zoom Circulator and the Valley Metro Bus Line 3 travel Van Buren. Without the connectivity, persons with disabilities who live within this area will not be able to access the variable bus lines along Van Buren.

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

The Van Buren Multi-Use Recreational Corridor will provide a "destination" for residents who live along the corridor, for pedestrians and cyclists who want to exercise and perhaps those who want to use the Route 3 bus and/or the City's Zoom Circulator. In addition, this project will provide a safe corridor for residents, pedestrians, and cyclists to visit from the Agua Fria River to 113th Avenue and also provide connectivity to Agua Fria Trail system, City Center, City Hall, City Center Transit Facility, retail, commercial, employment hubs, and a host of other destinations. The corridor will be used by residents who live in the area and want to play with their children as well as those who want a safe alternative way to retail and shopping and other activities. The amenities will attract residents from other areas and become a destination for many who don't have similar facilities in their area.

PART B-PROJECT DESCRIPTION

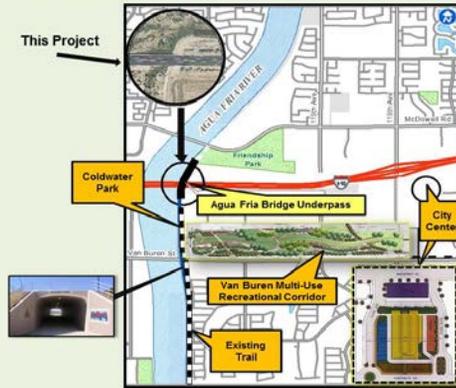
11. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Van Buren from Agua Fria to Avondale Boulevard has no continuous pedestrian facilities and no bike facilities. This segment will allow connectivity to 22.4 miles of bike lanes, access to Bus Route 3 and the City's circulator "Zoom". The project will also connect to 2 miles of the City's trail system that is located along the east-side of the Agua Fria River from Van Buren St to Friendship Park (1 mile north) and Van Buren St to MC85 (1 mile south). The Van Buren Multi-Use Recreational Corridor will be able to use and access the existing Van Buren Underpass.

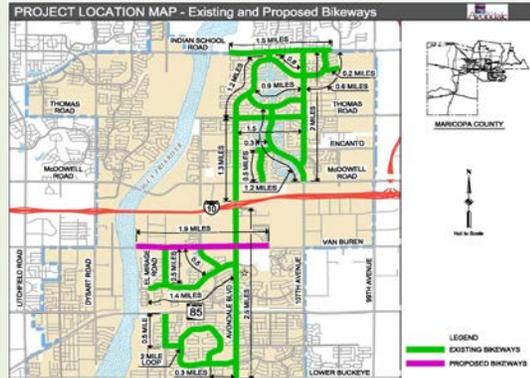
Project Location: Connectivity



Project connects to other local bikeways

List of connected bikeways:

This project will connect bikeways to the north and south for a total of 22.4 miles of connected bikeways.



Multi Jurisdictional Project

List of Participating Jurisdictions:

[Empty box for listing participating jurisdictions]

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

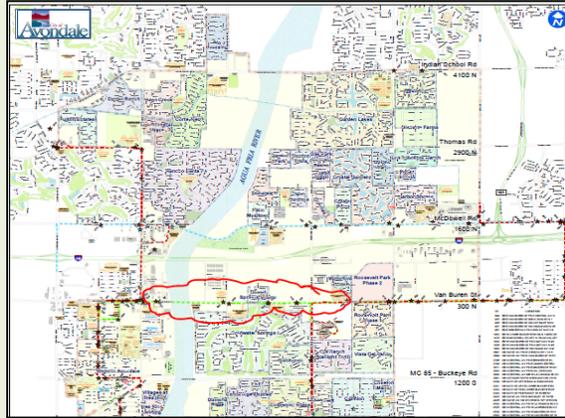
PART B-PROJECT DESCRIPTION

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.

7 Within 1/2 mile

List routes and frequency:

There are 7 bus stops within the project limits; Route 3 and the City's Zoom Circulator, which will both run on 30 minute intervals by January 2014.

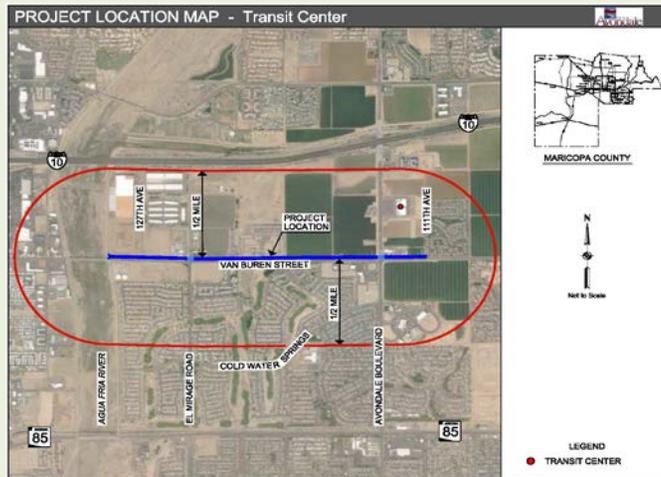


13. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:

1 Within 1/2 mile

List:

City Center Transit Center (Phase 1) which is currently under construction, is located in the south-east quadrant of Avondale Boulevard and Roosevelt Parkway and is listed in the Draft 2035 RTP.



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

The entire corridor between the Agua Fria River and 113th Avenue has no sidewalk connectivity for the residents that live along this segment of Van Buren which includes the Legacy Charter School (K-8) and the Collier Elementary School (K-8). In addition, there are no bike lanes and they cannot simply be "striped-in". By providing the Multi-Use Path, residents, pedestrians, and cyclists can safely travel to other destinations such as the Transit Center, the Sports Center, City Center East, multiple bus stops (Route 3 and the City's Zoom Circulator). Without the connectivity, persons with disabilities who live within this area are not be able to access the bus service or other destinations. The Van Buren Multi-Use Recreational Corridor will provide access to the Desert Springs Village subdivision to the north, the Coldwater Springs subdivision to the south and the new employment hub Coldwater Depot Phase 1 & 2, a 700,000 square feet Distribution Center which is located on the north side of Van Buren along the east side of the Agua Fria River.

PART B-PROJECT DESCRIPTION

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

3 Within 1/2 mile

List:

Coldwater Springs Golf Course, American Sports Center, Civic Center Library

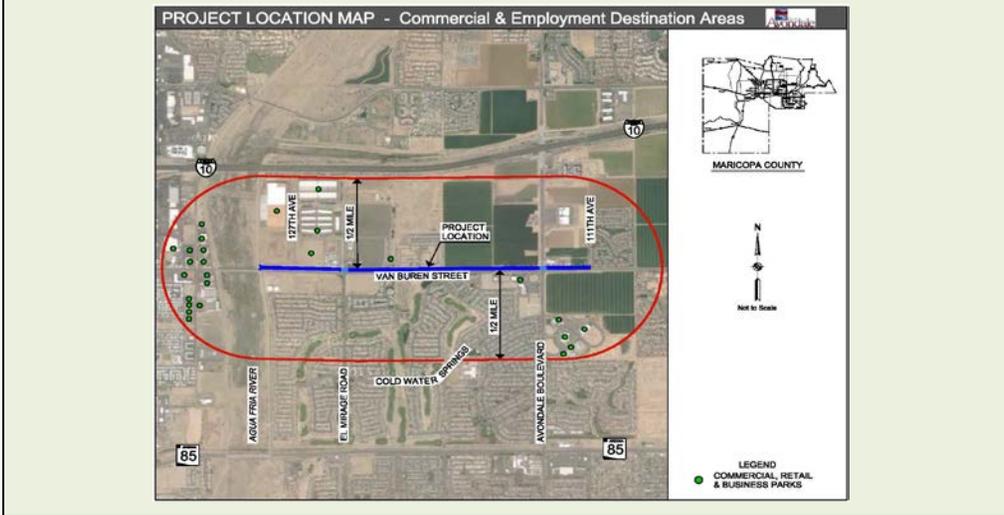


16. Number of commercial and employment destinations (malls, retail centers, business parks, etc.) this project will benefit (for example, a mall is ONE destination; do NOT count every store in a mall as a separate destination):

28 Within 1/2 mile

List:

River Crossing Storage & RV, Coldwater Springs Promenade, Avondale Commerce, Coldwater Depot, Avondale Family Health Center, 1426 N Eliseo C Felix Way, 1422 N Eliseo C Felix Way, 1419 N Eliseo C Felix Way, 1418 N Eliseo C Felix Way, 1414 N Eliseo C Felix Way, 1452 N Eliseo C Felix Way, MVD, Estrella Vista Reception Center, Avondale City Hall, Avondale Police Building, Avondale Courts, 1481 N Eliseo C Felix Way, Nina Construction Supply, 1452 N Eliseo C Felix Way, 1489 N Eliseo C Felix Way, 1300 N Eliseo C Felix Way, 1100 N Eliseo C Felix Way, 1250 Fairway, 1039 Van Buren St, Motor Vehicle Services, PIR Offices, Coldwater Plaza, 1100 N. 127th Ave



PART B-PROJECT DESCRIPTION

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

1 Within 1/2 mile

List:

Collier Elementary School



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

1 Within 1/2 mile

List:

Legacy Charter School



PART B-PROJECT DESCRIPTION

19. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

Use the MAG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census blocks adjacent to your project, left-clicking where needed to change the direction of the line Double-click to finish drawing the line. The selected census blocks will become highlighted in blue. A pop-up box will appear with "Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the printer icon at the top-right side of the pop-up window) for your records.

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:

Federal Functional Classification of the Facility:

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

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

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.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology and Source used for the ADT Estimate

PART B-PROJECT DESCRIPTION

22. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete.

Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

The area is all ready developed with some agricultural areas and vacant lots. The area does not contains any natural washes of areas or environmental concern. Based upon the City's experience, including Phase 1 reports, along this corridor we do not expect any environmental problems such as pesticides or similar. If any pesticides are found, the schedule allows for the proper disposal which will occur before the initiation of this project.

23. Current ROW: (Check all that apply)

<input type="checkbox"/>	Agency owns all ROW Needed	<input checked="" type="checkbox"/>	Agency owns easement
<input checked="" type="checkbox"/>	ROW to be acquired	<input type="checkbox"/>	Agency has right-of-use (i.e. canal)
<input checked="" type="checkbox"/>	Owners will donate ROW	<input type="checkbox"/>	Condemnation may be required

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

The City has begun acquiring the required rights-of-way for the project. Since the proposed Van Buren Multi-Use Recreational Corridor is scheduled for FY2017 (ADOT/Federal), the City has ample time to purchase the required rights-of-way. The City has already spoken to the existing land owners and does not expect the need for condemnation.

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

<input type="checkbox"/>	No Utility in or abutting the alignment	<input type="checkbox"/>	Private Structures
<input type="checkbox"/>	Canals & Drainage	Other: <input style="width: 100%; height: 20px;" type="text"/>	
<input checked="" type="checkbox"/>	Power Lines & Cables		
<input checked="" type="checkbox"/>	Pipelines, Sewer and Water		

26. Please describe any utility conflicts that will need to be addressed.

There are numerous water, telecommunication, power and irrigation facilities that will need to be relocated or dipped. Starting in September 2014, the City of Avondale will be relocating all utilities within the projects' footprint. This effort will take approximately 12 months and will be ready in September 2015. The Van Buren Multi-Use Recreational Corridor is slated for FY2017 which provides ample schedule buffer.

27. Guidelines used to develop project: (Check all that apply)

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other: <input style="width: 100%; height: 40px;" type="text"/>
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	
<input type="checkbox"/>	MAG Complete Streets Guide	
<input checked="" type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input checked="" type="checkbox"/>	NACTO Urban Bikeway Design Guide	
<input type="checkbox"/>	RPTA Bus Stop Program and Standards	

PART B-PROJECT DESCRIPTION

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:	Required
With new development and capital improvement projects, bike lanes on collector streets are:	Required
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	Yes
Complete Streets Policy	Yes

29. The project is: (Check one)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
 List:
 The project is identified in the General Plan, Council adopted policy and is a Capital Improvements project in the current Capital Improvement Program.

Consistent with general policy/practices, but not formally identified (provide source)
 Explain:

Not addressed by jurisdiction's plans, policies, or practices
 Explain:

30. Identify the organization(s) responsible for on-going maintenance and repairs of the project:

City of Avondale

31. How will the applicant measure the success of this project?

The City will measure the project by how many people use the facilities, surveys will be mailed out to residents within the corridor area. Feedback will also be solicited via the City's website, City phone apps and other communication avenues. In addition, feedback will also be requested on Resident Appreciation Night (RAN) which is held once a year on Western, this event attracts over 4000 residents. The Van Buren Multi-Use Recreational Corridor has been show-cased already at the RAN, public meetings and at public council meetings and has received tremendous support from residents.

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?

The City would like to explore automatic technology near the Legacy Charter School and/or City Center East). Manual data is also possible to be completed through the use of the City's Traffic Engineering Operations budget.

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.

The City's Community Relations Department will market this project by: highlighting it on the City's website and in social media outlets; sending out a Press Release to local media to help us create awareness of the project and its impact/benefit to the community; and, mailing informational brochures illustrating the new pedestrian and bicycle facilities and highlighting the project's benefits to businesses and residents within the project's area of impact. Included with the information presented to businesses and residents about the project, will be information on the existing/proposed bus service and neighborhood circular (ZOOM) along this segment, as this area will now have continuous, accessible pedestrian and cyclist connectivity to these transit services. Additionally, this project will be showcased at Resident Appreciation Night, which is an annual event that attracts over 4,000 residents. Finally, due to the unique nature of this project, a campaign/events targeting schools within the project's area of impact (e.g. Collier Elementary School and Legacy Traditional School) will be developed to engage these users and educate them on the impacts/benefits the project can have on them.

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.

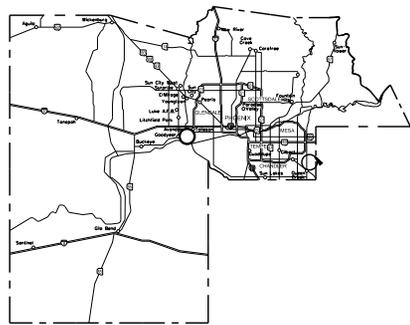
OPTIONAL Attachments:

(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 LOCATION MAP - Van Buren Multi-Use Recreational Corridor

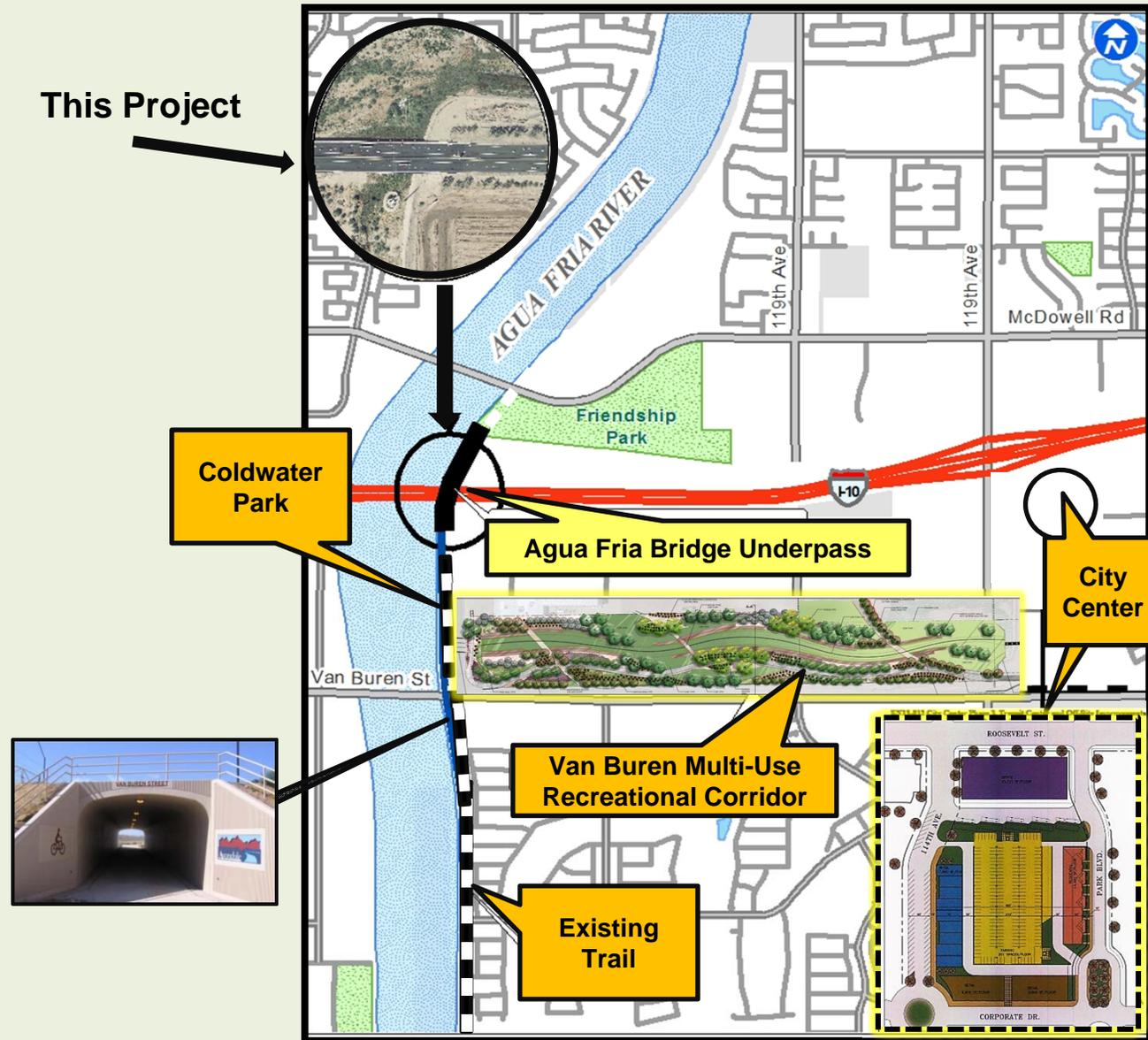


MARICOPA COUNTY

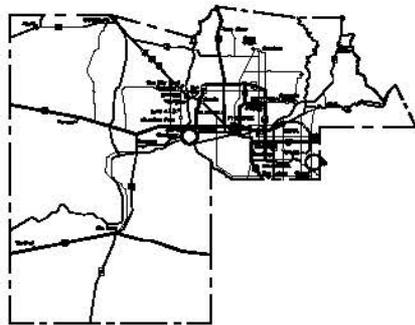
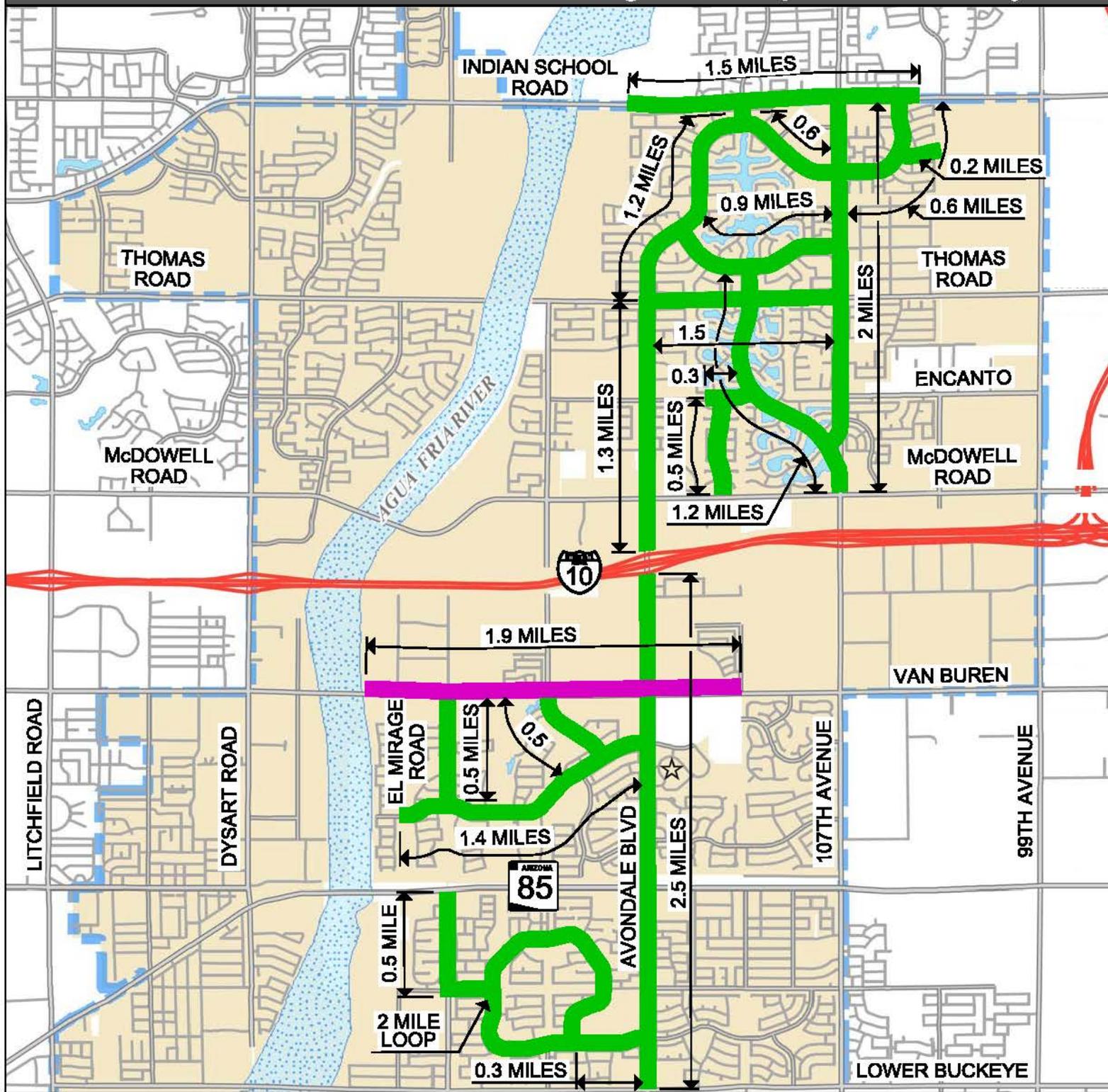


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Project Location: Connectivity



PROJECT LOCATION MAP - Existing and Proposed Bikeways



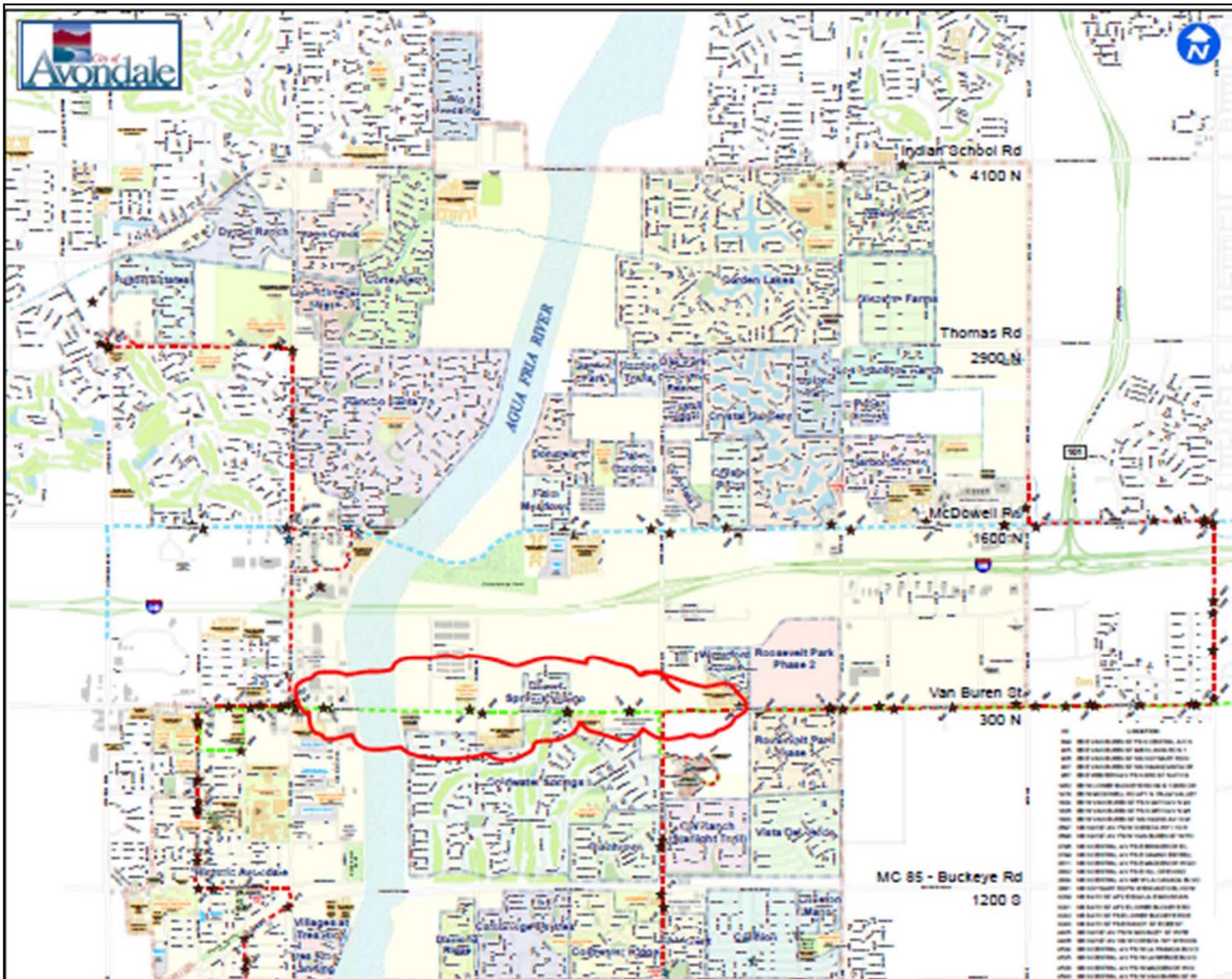
MARICOPA COUNTY



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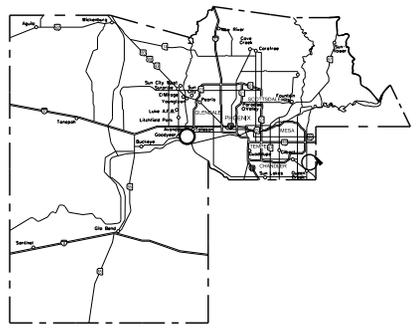
LEGEND

- EXISTING BIKEWAYS
- PROPOSED BIKEWAYS



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PROJECT LOCATION MAP - Transit Center



MARICOPA COUNTY

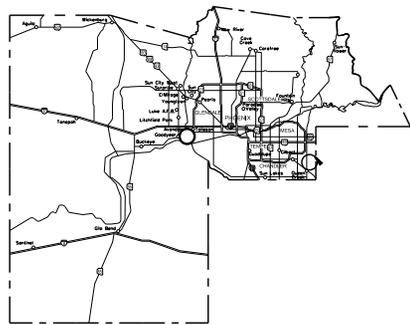


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LEGEND

● TRANSIT CENTER

PROJECT LOCATION MAP - Activity Centers



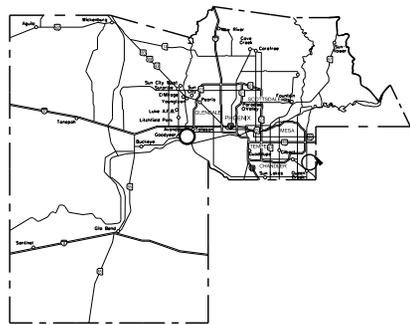
MARICOPA COUNTY



Not to Scale

LEGEND	
● 1	COLDWATER SPRINGS GOLF COURSE
● 2	AMERICAN SPORTS CENTER
● 3	CITY CENTER LIBRARY

PROJECT LOCATION MAP - Commercial & Employment Destination Areas



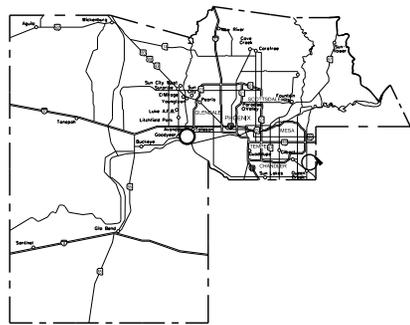
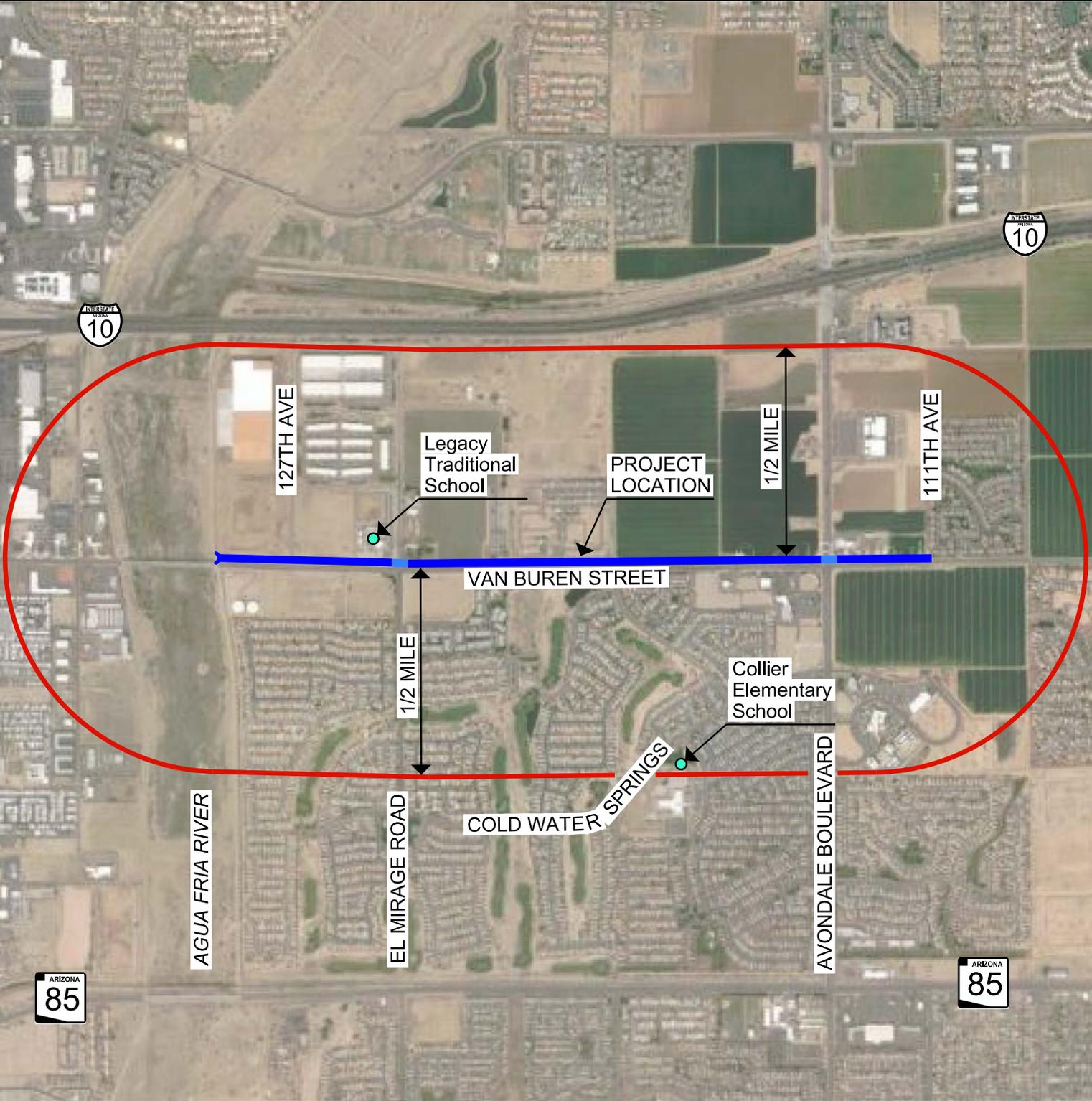
MARICOPA COUNTY



Not to Scale

- LEGEND
- COMMERCIAL, RETAIL & BUSINESS PARKS

PROJECT LOCATION MAP - Educational Destinations



MARICOPA COUNTY



Not to Scale

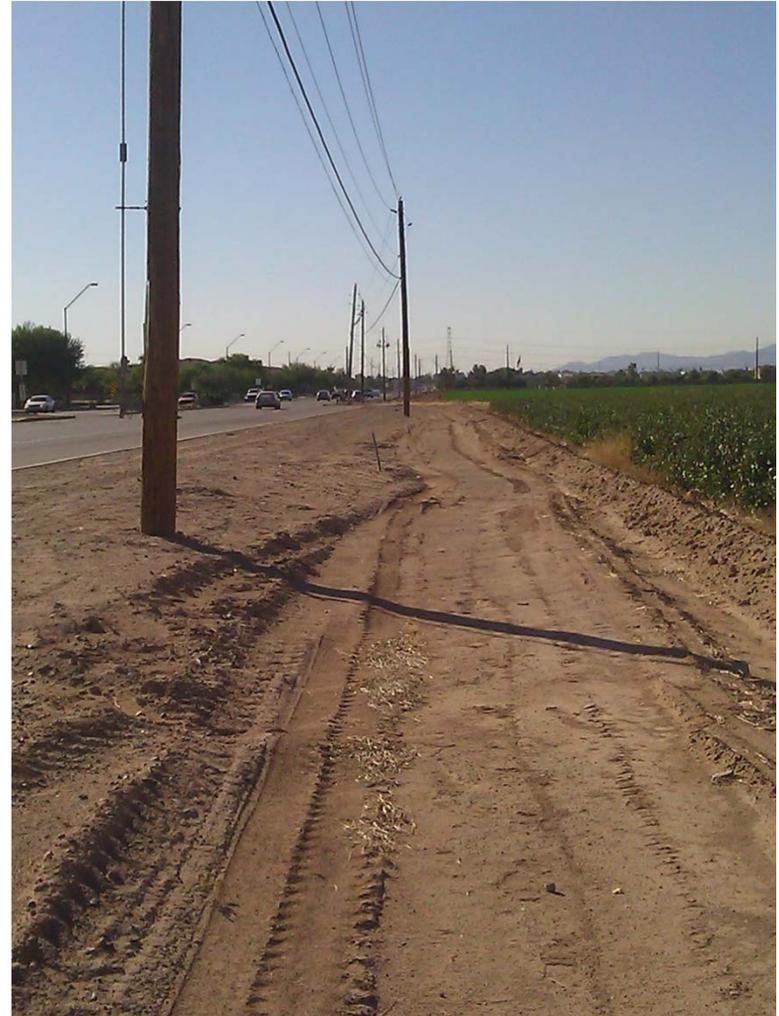
LEGEND

- SCHOOL



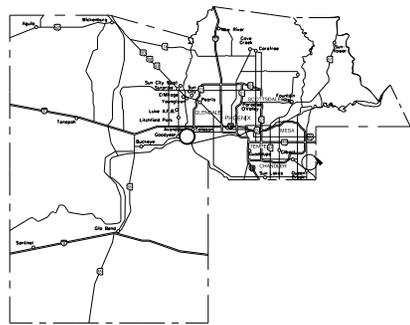
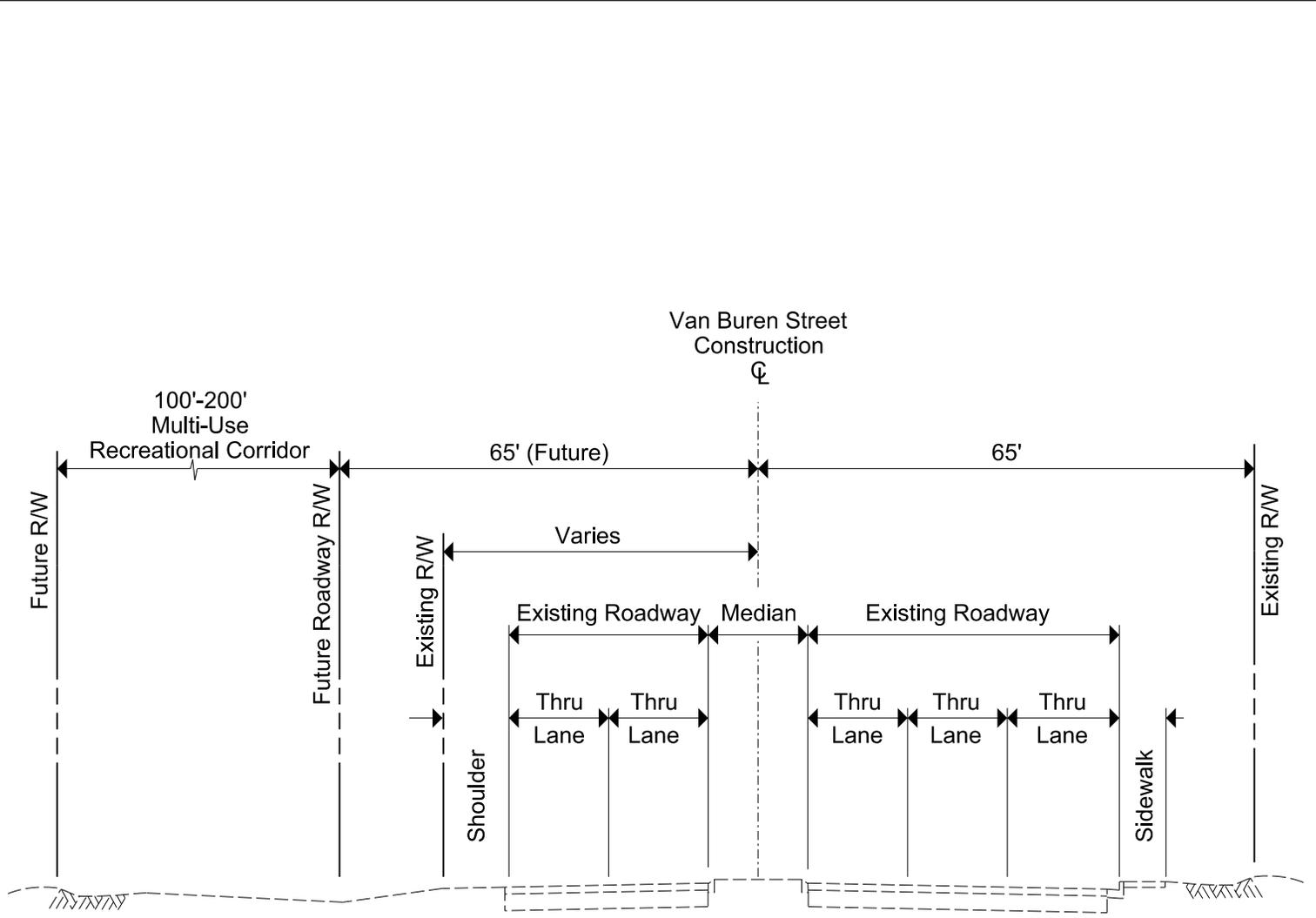
**Van Buren Multi-Use
Recreational Corridor**
Existing Conditions





Van Buren Multi-Use Recreational Corridor
Existing Conditions

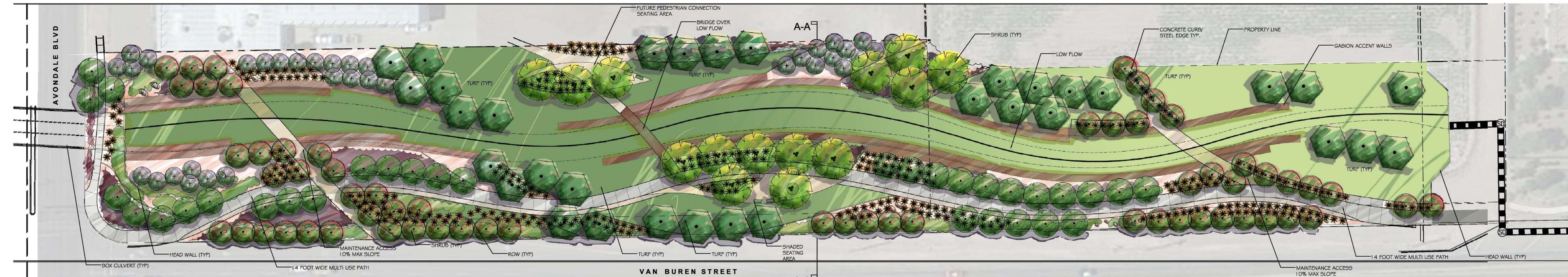
PROJECT - Existing Roadway Section (Looking East)



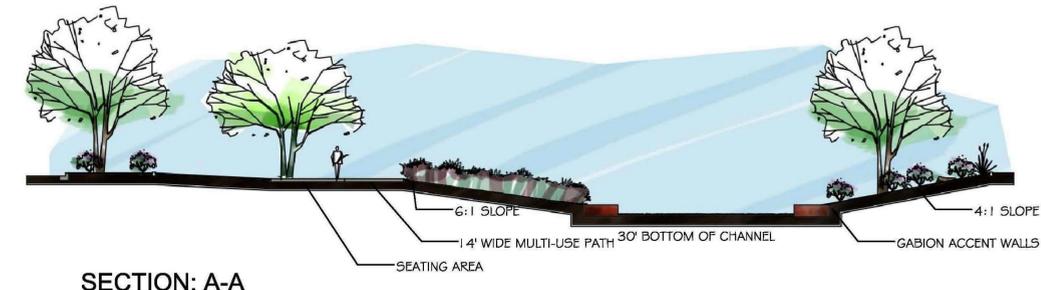
MARICOPA COUNTY



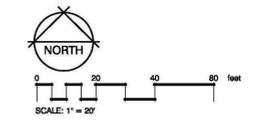
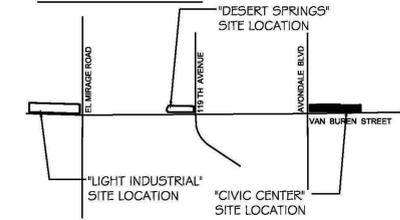
Not to Scale



TREES	SYMBOL	BOTANICAL NAME	COMMON NAME	SHRUBS	SYMBOL	BOTANICAL NAME	COMMON NAME	GROUND COVERS	SYMBOL	BOTANICAL NAME	COMMON NAME
		CERODIUM SPP. 'SONORAN EMERALD'	THORNLESS SONORAN EMERALD PALO VERDE			BOUGAINVILLEA SPP.	BOUGAINVILLEA			ACACIA REDOLENS	TRAILING ACACIA
		DALBERGIA SISSOO	SISSOO TREE			DODONEA VISCOSA	HOP BUSH			DALEA CAPITATA	LEMON DALEA
		PISTACIA CHINENSIS 'RED PUSH'	CHINESE PISTACHE			ERICACERIA MACULATA 'VALENTINE'	VALENTINE EMU BUSH			HYMENOXYS ACAULIS	ANGELITA DAISY
		PROSOPIS HYBRID 'PHOENIX'	HYBRID PHOENIX MESQUITE			JUSTICA SPICIGERA	MEXICAN HONEYSUCKLE			LANTANA 'GOLD MOUND'	GOLD MOUND LANTANA
		PITHECELLOBIUM FLEXICAULE	TEXAS EBONY			MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS			LANTANA 'MONTENDENSIS 'PURPLE'	PURPLE LANTANA
		VITEX ANGUS CHRISTE	CHASTE TREE			NOLINA MICROCARPA	BEAR GRASS				
		ACACIA FARNESIANA	SWEET ACACIA			RUELLIA BRITTONIANA	BRITISH RUELLIA				
		ONLEYA TESOTA	IRONWOOD			RUELLIA BRITTONIANA	GOLD STAR YELLOW BELLS				
		CHILIPSOUS LINEARIS	DESERT WILLOW			TEODOMA STANS 'GOLD STAR'	GOLD STAR YELLOW BELLS				
						AGAVE SPP.	AGAVE			SURFACE SELECT BOULDER	
						ALOE VERA	MEDICINAL ALOE			ROCK MULCH	EXPRESS GOLD
						DASYLIRION WHEELERII	DESERT SPOON			ANGULAR ROCK	EXPRESS GOLD
						HESPERALOE PARVIFOLIA	RED YUCCA				
						ECHINOCACTUS GRUSONII	GOLDEN BARREL CACTUS				
						OPUNTIA	BEAVERTAIL PRICKLY PEAR				
						PACHYERES MARGINATUS	MEXICAN FENCE POST				



VICINITY MAP



CHARACTER IMAGES



PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE

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

Sponsoring Agency:	City of Avondale	Project Title:	Van Buren Multi-Use Recreational Corridor	
Part	Item Description		Unit	
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY		LS	
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN		LS	
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)		LS	
	4. HAZMAT ASSESSMENT		LS	
	Subtotal Scoping (Part A)			
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.		LS	
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report		LS	
	3. DRAINAGE REPORT		LS	
	4. SWPPP		LS	
	Subtotal PE (Part B)			
Subtotal Preliminary Engineering (Part A + Part B)				
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition		LS	
Subtotal Right-of-Way Acquisition (Part C)				
D. Utility Relocation	1. Utility Relocation		LS	
Subtotal Utility Relocation (Part D)				
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPPP Measures	LS	
		Site Preparation	LS	
		Demolition	Sawcut	LF
			Remove Structures and Obstructions	LS
			Remove Fencing	LF
			Remove Structural Concrete	CY
			Remove Asphaltic Concrete Pavement	SF
			Remove Concrete Sidewalks, Slabs	SF
		Hazmat Abatement	LS	
		Retaining Wall - Reinforced Concrete Cantilevered	SF	
		Earthwork	General Excavation	CY
			Drainage Excavation	CY
			Structural Excavation	CY
			Structural Backfill	CY
			Borrow (In Place)	CY
Curb & Gutter	LF			
Aggregate Base	CY			

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE

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

Sponsoring Agency:		City of Avondale		Project Title:		Van Buren Multi-Use Recreational Corridor	
Part	Item Description						Unit
	Pathway Or Sidewalk Materials	Concrete				SF	
		Colored Concrete				SF	
		Stamped Color Concrete				SF	
		Precast Concrete Pavers				SF	
		Asphaltic Concrete				Ton	
		Polymer or Resin Stabilized Surface				SF	
	Crosswalk Enhancement	Concrete Pavers				SF	
		Stamped Asphalt				SF	
		Stamped Concrete				SF	
		Concrete				SF	
		Integral Color Concrete				SF	
	Pedestrian ADA Ramp						SF
	Culvert Extensions						LF
	Pedestrian Lighting Including Conduit And Trenching						Each
	Handrail	Standard				LF	
		Decorative				LF	
	Subtotal Hardscape Construction						

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE

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

Sponsoring Agency:	City of Avondale	Project Title:	Van Buren Multi-Use Recreational Corridor
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Part	Item Description	Unit		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Requirements	Each	
		Trees (15 Gallon Size)	Each	
		Trees (5 Gallon Size)	Each	
		Shrubs (5 Gallon Size)	Each	
		Shrubs (1 Gallon Size)	Each	
		Cactus (5 Gallon Size)	Each	
		Mulch	Decomposed Granite	CY
			Organic	CY
		Topsoil	CY	
		Seeding	Acre	
		Turf Sod	SY	
		Boulders	Each	
		Irrigation System	Drip	SF
			Turf	SF
		Sleeving For Irrigation System	Directional Bore	LF
			Cut and Patch	LF
		Landscape Header Curb	LF	
	Landscape Establishment	LS		
	Subtotal Landscaping & Irrigation Items			
	3. Site Furnishings	Benches	Each	
		Seatwalls	LF	
		Bike Racks	Each	
		Trash Receptacles	Each	
		Drinking Fountains	Each	
		Signage (Standard Traffic Control)	Each	
		Signage (Wayfinding)	Each	
		Tree Grates	Each	
		Subtotal Site Furnishings		
		4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter	Each
	Subtotal Other Construction			
	Contractor Mobilization		LS	

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE

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

Sponsoring Agency:		City of Avondale	Project Title:	Van Buren Multi-Use Recreational Corridor
Part	Item Description			Unit
	5. Mobilization And Administration Costs	Traffic Control		LS
		Construction Survey & Layout		LS
		Construction Contingencies		LS
		Construction Administration		LS
		Subtotal Mobilization & Administration Costs		
	Subtotal Construction Or Implementation Cost (Part E)			
F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)				
G. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part F))				
H. Total Project Cost Including ADOT Fees (Part F + Part G)				

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Application Date: 10/21/2013

Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
1	\$30,000.00	\$30,000.00	No	\$0.00	\$30,000.00	
1	\$25,000.00	\$25,000.00	No	\$0.00	\$25,000.00	
1	\$45,000.00	\$45,000.00	No	\$0.00	\$45,000.00	
0	\$0.00	\$0.00	No	\$0.00	\$0.00	
		\$100,000.00		\$0.00	\$100,000.00	
1	\$200,000.00	\$200,000.00	No	\$0.00	\$200,000.00	
1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00	
0	\$0.00	\$0.00	No	\$0.00	\$0.00	
1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00	
		\$215,000.00		\$0.00	\$215,000.00	
		\$315,000.00		\$0.00	\$315,000.00	
0	\$0.00	\$0.00	No	\$0.00	\$0.00	
		\$0.00		\$0.00	\$0.00	
1	\$0.00	\$0.00	No	\$0.00	\$0.00	
		\$0.00		\$0.00	\$0.00	
1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00	
1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
1,000	\$3.00	\$3,000.00	Yes	\$2,829.00	\$171.00	
1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
50	\$40.00	\$2,000.00	Yes	\$1,886.00	\$114.00	
9,000	\$3.50	\$31,500.00	Yes	\$29,704.50	\$1,795.50	
1,500	\$3.00	\$4,500.00	Yes	\$4,243.50	\$256.50	
1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
500	\$12.00	\$6,000.00	Yes	\$5,658.00	\$342.00	
800	\$40.00	\$32,000.00	Yes	\$30,176.00	\$1,824.00	

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Application Date: 10/21/2013

Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
107,712	\$5.00	\$538,560.00	Yes	\$507,862.08	\$30,697.92	
5,000	\$12.00	\$60,000.00	Yes	\$56,580.00	\$3,420.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
5,000	\$15.00	\$75,000.00	Yes	\$70,725.00	\$4,275.00	
350	\$110.00	\$38,500.00	Yes	\$36,305.50	\$2,194.50	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
1,500	\$20.00	\$30,000.00	Yes	\$28,290.00	\$1,710.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
1,000	\$8.00	\$8,000.00	Yes	\$7,544.00	\$456.00	
500	\$16.00	\$8,000.00	Yes	\$7,544.00	\$456.00	
4,000	\$12.00	\$48,000.00	Yes	\$45,264.00	\$2,736.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
65	\$2,200.00	\$143,000.00	Yes	\$134,849.00	\$8,151.00	
200	\$30.00	\$6,000.00	Yes	\$5,658.00	\$342.00	
50	\$40.00	\$2,000.00	Yes	\$1,886.00	\$114.00	
		\$1,081,060.00		\$1,019,439.58	\$61,620.42	

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Application Date: 10/21/2013

Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
1	\$25,000.00	\$25,000.00	Yes	\$23,575.00	\$1,425.00	
400	\$150.00	\$60,000.00	Yes	\$56,580.00	\$3,420.00	
200	\$50.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
2,000	\$25.00	\$50,000.00	Yes	\$47,150.00	\$2,850.00	
4,000	\$10.00	\$40,000.00	Yes	\$37,720.00	\$2,280.00	
50	\$200.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
4,000	\$3.00	\$12,000.00	Yes	\$11,316.00	\$684.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
20	\$1,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
20	\$1,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
240,000	\$1.00	\$240,000.00	Yes	\$226,320.00	\$13,680.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
1,000	\$15.00	\$15,000.00	Yes	\$14,145.00	\$855.00	
1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
		\$522,000.00		\$492,246.00	\$29,754.00	
30	\$2,000.00	\$60,000.00	Yes	\$56,580.00	\$3,420.00	
500	\$50.00	\$25,000.00	Yes	\$23,575.00	\$1,425.00	
14	\$800.00	\$11,200.00	Yes	\$10,561.60	\$638.40	
30	\$300.00	\$9,000.00	Yes	\$8,487.00	\$513.00	
10	\$1,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
25	\$100.00	\$2,500.00	Yes	\$2,357.50	\$142.50	
25	\$100.00	\$2,500.00	Yes	\$2,357.50	\$142.50	
0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		\$120,200.00		\$113,348.60	\$6,851.40	
1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00	
1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
1	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		\$10,000.00		\$9,430.00	\$570.00	
1	\$50,000.00	\$50,000.00	No	\$0.00	\$50,000.00	

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Application Date: 10/21/2013

Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
1	\$30,000.00	\$30,000.00	Yes	\$28,290.00	\$1,710.00	
1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00	
1	\$100,000.00	\$100,000.00	Yes	\$94,300.00	\$5,700.00	
1	\$250,000.00	\$250,000.00	Yes	\$235,750.00	\$14,250.00	
		\$450,000.00		\$377,200.00	\$72,800.00	
		\$2,183,260.00		\$2,011,664.18	\$171,595.82	
		\$2,498,260.00		\$2,011,664.18	\$486,595.82	
		\$49,965.20	No	\$0.00	\$49,965.20	
		\$2,548,225.20		\$2,011,664.18	\$536,561.02	

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	\$49,965	Can pay as early as 2014
2. Design	\$315,000	FCDMC and Avondale will pay for all components related to drainage.
3. Right of way	\$0	Zero costs, project will have all required rights-of-way by 2016.
4. Utilities	\$0	Zero costs, project will have all utilities removed or dipped beforehand.
5. Construction	\$2,183,260	
6. Total Cost	\$2,548,225	

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	2016	General Fund	\$315,000	Not Available	\$315,000
11. ADOT Fee	2016	General Fund	\$49,965	Not Available	\$49,965
12. Right of way and Utilities			\$0	Not Available	\$0
13. Construction	2017	General Fund	\$171,596	\$2,011,664	\$2,183,260
14. Total Costs			\$536,561	\$2,011,664	\$2,548,225

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.	Yes
(OPTIONAL) - Crash report(s) are provided in the printed application and the PDF application	Yes
(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.	

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:	Charles W. Andrews, 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:	