



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

**Cave Creek Pedestrian Connector Path**

**Town of Cave Creek**

**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)**

Cave Creek: Cave Creek Pedestrian Connector Path

<b>PART A - CONTACT AND PROJECT DESCRIPTION</b>	
<b>Contact Information</b>	
1. Name of Sponsoring Agency	Cave Creek
2. Agency Contact Name	Ian Cordwell
3. Phone Number of Agency Contact	480-488-6614
4. E-Mail Address of Agency Contact	<a href="mailto:icordwell@cavecreek.org">icordwell@cavecreek.org</a>
5. Mailing Address of Agency Contact	37622 N Cave Creek Road, Cave Creek, AZ 85331
<b>Project Description</b>	
6. Please provide the Project Title.	Cave Creek Pedestrian Connector Path
7. Please provide a concise, specific description of the project (250 character limit):	
This project is for a paved shared use path on Cave Creek Road for a 1 mile segment. Path width will vary 5-8 ft with available right of way. Three Mid-block crossings will link both sides of the road.	
8. Please provide the project limits:	
From Schoolhouse Road to Blue Ridge Drive along Cave Creek Road for 1.2 miles within the existing ROW.	
<b>Safe Routes to School (if project is NOT a Safe Routes to School project, proceed to Part B)</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	<input type="text" value="Meandering paved path 5-8 ft wide with segments attached and others detached. Also 3 mid-block crossings."/>	
<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="160"/>	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="6"/>	Number of Seating/Rest Area(s)
<input type="text" value="3"/>	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="12"/>	Number of Bike racks/lockers	<input type="text"/>	
<input type="text" value="0"/>	Number of Drinking Fountains		
<input type="text" value="6"/>	Number of Way-finding Signs		
<input type="text" value="6"/>	Number of Trash receptacles		

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

There are no existing paved ADA compliant pathways linking many of the community facilities and nearby neighborhoods. Arterial road crossings are unsignalized and in many conditions unstriped. This project will improve safety of crossings with mid-block connections and improved crosswalks. ADA ramps and a paved pathway will provide accessible routes to community destinations. The path will provide a safe route for non-motorized access to a local school. The path will provide residents and visitors an option for non-motorized circulations to community destinations. It will encourage a park once and circulate environment and will reduce short trip congestion traffic.

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

This project will install a paved path for pedestrians in a context sensitive rural town core area. The path will provide an ADA safe route in 3 different typical sections (Town Core 80 ft Town Core 95 ft, and Residential Neighborhood 110 ft R/W areas). The path project will meander to each side of Cave Creek Road depending upon constraints. The project is proposed to have 3 mid-block crossings for this connector spine to link to destinations on the opposite side of Cave Creek Road. Destinations that this connector path will link include the Town Hall, Maricopa County Sherriff Office, Montessori School, Post Office, Town Core retail district, and several community neighborhoods.

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

Provide safe pedestrian connectivity to residents and visitors to several destinations. Minimize local traffic and short vehicle trips by offering convenient and safe transportation alternatives. Allow pedestrians the ability to use an ADA compliant route to reach core community amenities and have safe crossings of an arterial roadway.

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

Please describe any car-bicycle and car-pedestrian crashes on streets within 2-mile radius of the project (within the last 5 years). You may attach crash reports or summarize their results below.

The Town of Cave Creek has requested crash data for this project through MAG. As crash data will not be available prior to the TA application deadline, MAG will provide the crash data as an attachment prior to releasing the application to the evaluation panel for review.

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

<input type="checkbox"/>	Wide bike lanes (6'-7')	<input type="text" value="0-6ft"/>	Buffer Zone, Width
<input checked="" type="checkbox"/>	Wide sidewalk (8' min.)		
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		Other
<input checked="" type="checkbox"/>	Signalized crossing/Ped countdown/HAWK	<input type="text" value="Three Mid-block crossings are proposed, possibly unsignalized but with awareness and alert devices."/>	
<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?

This project will provide a safe pedestrian route and mid-block crossings for Cave Creek Road. Pedestrians currently share the road or walk on non-ADA compliant shoulders to reach several Town destinations. There are no signalized crossing opportunities for pedestrians within the project limits.

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

Mobility challenged residents, and visitors, will be able to circulate within the community without the need of a vehicle. Safe circulation conditions will be provided for connection to community destinations. Roadway crossings will have a safe and identifiable route linking both sides of the arterial road.

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

The character of the region is high desert and old west. The project pavements, crossing design, landscape materials, wayfinding signage, and pedestrian comfort nodes are designed to fit with this unique character to provide a sense of place.

11. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Provides missing ped connection to Post Office, Town Core, Town Library, Town Hall, MSCO Sheriff Office, Montessori school, local neighborhoods.

Project connects to other local bikeways

List of connected bikeways:

Project will provide parallel connections off-road with future (2015) Cave Creek Bike Lane project.

Multi Jurisdictional Project

List of Participating Jurisdictions:

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

12. Number of transit stops this project will connect to. Do NOT count major transit facilities (park and rides, transit centers, etc.) in this question. List associated route(s) and their peak frequency, using Valley Metro as the source.

0 Within 1/4 mile

List routes and frequency:

There are no transit stops in Cave Creek.

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

0 Within 1/4 mile

List:

There are no major transit facilities in Cave Creek.

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

There is currently no sidewalk or path system connecting local neighborhoods to the road network and community destinations. Neighborhood users currently use road shoulders or paved edge of road to circulate without a vehicle. This project will establish a safe and comfortable connector for neighborhood users.

**PART B-PROJECT DESCRIPTION**

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

Within 1/4 mile

List:

Post Office, Town Hall, MCSO office, Town Library, Town Offices.

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

Within 1/4 mile

List:

See Attachment 01 - Commercial and Employment Center List

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

Within 1/4 mile

List:

None

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

Within 1/4 mile

List:

Montessori school - Quality Interactive

19. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

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

**PART B-PROJECT DESCRIPTION**

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

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

Cave Creek Pedestrian Connector Path - Start at School House Road end at Blue Ridge Road

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

Federal Functional Classification of the Facility:

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

Type of Facility the Improvement will be located on:

Arterial Road

1.2 Length (in Miles)

30 Posted Speed Limit (MPH)

4 Number of Travel Lanes

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

12 ADT Estimate

1/1/11 Date Counted

Name of road the traffic count was taken from

Cave Creek Road

Description of Methodology and Source used for the ADT Estimate

Research of MAG website for 2011 Traffic Count Map of ADT.

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 project limits are within the right of way of a heavily traveled arterial corridor. Areas within the right of way have been disturbed with utilities, roadway, and private development. There are no known cultural, historical, or hazardous material issues in the corridor. There are several native plant species in the area and some protected cactus that will require inventory and preservation measures.

23. Current ROW: (Check all that apply)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Agency owns all ROW Needed | <input type="checkbox"/> Agency owns easement                 |
| <input type="checkbox"/> ROW to be acquired                    | <input type="checkbox"/> Agency has right-of-use (i.e. canal) |
| <input 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 project area is 100% within the existing right of way of Cave Creek Road. Right of way widths vary from 80 ft to 95 ft to 110 ft within the 1.2 mile corridor length. There are no right of way issues.

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                       |   |
| <input checked="" type="checkbox"/> Power Lines & Cables         | Other:                                      |
| <input checked="" type="checkbox"/> Pipelines, Sewer and Water   | Telecommunications                          |

**PART B-PROJECT DESCRIPTION**

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

Adjustments to utility pads or man-hole elevations may be required if path modifications around obstructions are not possible.

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

- 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

Other:

MAG Cave Creek Bike Land and Main Street Study (2011) and MAG Pedestrian Connector Path Study (2014). MAG Framework Study of Cave Creek & Carefree 2014.

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:  Recommended
- With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:  Required
- With new development or during development retrofits, shared-use paths are:  Required
- Bicycle program implemented, including bike education, safety events, and bike maps:  No
- Complete Streets Policy:  No

29. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)  
List:  
2005 General Plan Circulation Element and Town Core Plan
- 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:

The Town of Cave Creek provides the maintenance of Cave Creek Road within the project limits. This pedestrian path will be included in the maintenance of the road. Existing landscapes are already being maintained within this area by the Town.

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

The success will be measured with observation of having users utilize the improvements and the activity of the pedestrian environment. Reduced trip counts in the area is another way of quantifying the results.

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?

Pedestrian counting is anticipated to be incorporated into the mid-block crossing technology. Manual data collection is anticipated of a counter provided at each mid-block crossing push-button crossing post. Data will be electronic counts of button access with a time delay for reset. Staff will collect data at a regular interval for recording.

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 project will be promoted to create local awareness and have many cultural features integrated in the design of the pedestrian nodes and crossings areas. The aesthetics and place-making elements of the design will increase awareness and bring a positive change for citizens of the area.

### **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"

**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:		Project Title:		Application Date:						
Town of Cave Creek		Cave Creek Pedestrian Connector Path		10.22.13						
Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (\$4,358)	Local Funds (\$1.7%)	Notes	
A.	Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY	LS	1	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00	
		2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$24,000.00	\$24,000.00	No	\$0.00	\$24,000.00	
		3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$6,000.00	\$6,000.00	No	\$0.00	\$6,000.00	
		4. HDMAT ASSESSMENT	LS	1	\$2,000.00	\$2,000.00	No	\$0.00	\$2,000.00	
Subtotal Scoping (Part A)					\$47,000.00		\$0.00	\$47,000.00		
B.	Final Preliminary Engineering Design - Stages II, III, IV And Phase	1. Plans, Special Provisions or BID Manual, Cost Estimate & Schedules.	LS	1	\$80,000.00	\$80,000.00	No	\$0.00	\$80,000.00	
		2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$6,000.00	\$6,000.00	No	\$0.00	\$6,000.00	
		3. DRAINAGE REPORT	LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00	
		4. SWPPP	LS	1	\$3,000.00	\$3,000.00	No	\$0.00	\$3,000.00	
Subtotal PE (Part B)					\$92,000.00		\$0.00	\$92,000.00		
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)	Installation Of SWPP Measures		LS	1	\$2,000.00	\$2,000.00	Yes	\$1,886.00	\$114.00
		Site Preparation		LS	1	\$15,000.00	\$15,000.00	Yes	\$14,145.00	\$855.00
		Sawcut		LF	4,000	\$4.00	\$16,000.00	Yes	\$15,088.00	\$912.00
		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	300	\$27.00	\$8,100.00	Yes	\$7,638.30	\$461.70
		Remove Concrete Sidewalks, Slabs		CY	100	\$27.00	\$2,700.00	Yes	\$2,546.10	\$153.90
		Hazard 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
		General Excavation		CY	2,000	\$24.00	\$48,000.00	Yes	\$47,692.00	\$3,088.00
		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	6,000	\$11.00	\$66,000.00	Yes	\$62,238.00	\$3,762.00		
Aggregate Base		CY	100	\$10.00	\$1,000.00	Yes	\$943.00	\$57.00		
Concrete		SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Colored Concrete		SF	4,800	\$6.00	\$28,800.00	Yes	\$28,534.78	\$2,655.22		
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		
Concrete Pavers		SF	3,840	\$9.00	\$34,560.00	Yes	\$32,590.08	\$1,969.92		
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		
Integral Color Concrete		SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Crosswalk Enhancement		SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Pedestrian ADA Ramp		SF	1,400	\$9.00	\$12,600.00	Yes	\$11,881.60	\$718.40		
Culvert Extensions		LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Pedestrian Lighting Including Conduit And Trenching		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Standard		LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
Handrail		LF	200	\$38.00	\$7,600.00	Yes	\$7,166.80	\$433.20		
Subtotal Hardscape Construction					\$458,360.00		\$432,333.48	\$26,126.52		

**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 1-3 will remain visible at the top of this page at all times.

Sponsoring Agency:		Town of Cave Creek		Project Title: Cave Creek Pedestrian Connector Path		Application Date: 10/22/19				
Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Local Funds (\$,7%)	Notes(e)		
E. Construction Or Implementation For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4)	2. Landscaping & Irrigation Items	Requirements	0	\$0.00	\$0.00	Yes	\$0.00			
		Trees (15 Gallon Size)	160	\$210.00	\$33,600.00	Yes	\$31,684.80	\$1,915.20		
		Trees (5 Gallon Size)	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
		Shrubs (5 Gallon Size)	480	\$23.00	\$12,000.00	Yes	\$11,316.00	\$684.00		
		Shrubs (1 Gallon Size)	300	\$10.00	\$3,000.00	Yes	\$2,829.00	\$171.00		
		Cactus (5 Gallon Size)	30	\$45.00	\$1,350.00	Yes	\$1,272.05	\$77.95		
		Mulch	CY	1,400	\$45.00	\$63,000.00	Yes	\$59,409.00	\$3,591.00	
		Topsoil	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Seeding	Acres	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Turf Sod	SY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Boulders	Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Irrigation System	SF	120,000	\$0.80	\$96,000.00	Yes	\$90,528.00	\$5,472.00	
			Turf	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Directional Bore	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Cut and Patch	LF	2,000	\$4.00	\$8,000.00	Yes	\$7,544.00	\$456.00
			Sleeving For Irrigation System	LF	2,000	\$6.00	\$12,000.00	Yes	\$11,315.00	\$685.00
			Landscaping Header Curb	LF	5,500	\$6.00	\$33,000.00	Yes	\$31,119.00	\$1,881.00
			Landscaping Establishment	LS	1	\$18,000.00	\$18,000.00	Yes	\$16,974.00	\$1,026.00
			Subtotal Landscaping & Irrigation Items			\$287,350.00		\$252,676.85	\$15,273.15	
		3. Site Furnishings	Benches	Each	18	\$1,500.00	\$27,000.00	Yes	\$25,461.00	\$1,539.00
			Seawalls	LF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Billie Backs	Each	36	\$400.00	\$14,400.00	Yes	\$13,579.20	\$820.80
			Trash Receptacles	Each	6	\$600.00	\$3,600.00	Yes	\$3,394.80	\$205.20
			Drinking Fountains	Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Signage (Standard Traffic Control)	Each	6	\$500.00	\$3,000.00	Yes	\$2,829.00	\$171.00
Signage (Wayfinding)	Each		12	\$1,000.00	\$12,000.00	Yes	\$11,315.00	\$685.00		
Tree Grates	Each		34	\$2,000.00	\$68,000.00	Yes	\$66,186.00	\$1,814.00		
Subtotal Site Furnishings					\$96,000.00		\$95,590.00	\$410.00		
4. Other Construction Items, Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter		Each	3	\$900.00	\$2,700.00	Yes	\$2,509.20	\$190.80	
	Mid-Block crossing signal devices		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
			Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00	
		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
5. Mobilization And Administration Costs	Subtotal Other Construction				\$35,400.00		\$33,882.20	\$1,517.80		
	Contractor Mobilization	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	Traffic Control	LS	1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00		
	Construction Survey & Layout	LS	1	\$5,000.00	\$5,000.00	Yes	\$4,715.00	\$285.00		
	Construction Contingencies	LS	1	\$50,000.00	\$50,000.00	Yes	\$47,150.00	\$2,850.00		
	Construction Administration	LS	1	\$30,000.00	\$30,000.00	Yes	\$28,290.00	\$1,710.00		
	Subtotal Mobilization & Administration Costs				\$95,000.00		\$84,670.00	\$10,330.00		
					\$916,710.00		\$859,742.53	\$56,967.47		
					\$4,056,710.00		\$3,939,742.53	\$116,967.47		
					\$21,174.20		\$0.00	\$21,174.20		
				\$1,078,884.20		\$859,742.53	\$220,141.67			
F. Total Sealing, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)										
G. Aduit Fee For Pe Reviews And Staff Changes (The Higher of \$20,000 or 2% of Total Cost (Part F))										
H. Total Project Cost including ADOIT Fees (Part F + Part G)										

Cave Creek: Cave Creek Pedestrian Connector Path

**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	\$21,174				
2. Design	\$142,000				
3. Right of way	\$0				
4. Utilities	\$0	Allowance for minor vertical adjustments of facilities.			
5. Construction	\$916,710				
6. Total Cost	\$1,079,884				
7. Will the agency maintain the improvement after it is completed?		<input type="text" value="Yes"/>			
8. Expected Annual Maintenance Cost		<input type="text" value="28,000"/>			
9. Identify Source of Maintenance Funds		<input type="text" value="Town Annual Budget"/>			
Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
10. Design	2015	General Fund	\$142,000	Not Available	\$142,000
11. ADOT Fee	2015	General Fund	\$21,174	Not Available	\$21,174
12. Right of way and Utilities	2015	General Fund	\$0	Not Available	\$0
13. Construction	2016	General Fund	\$56,967	\$859,743	\$916,710
14. Total Costs			\$220,142	\$859,743	\$1,079,884

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.	
<b>COVER SHEET</b>	<b>Complete?</b>
Cover Sheet is completely filled out	Yes
<b>PART A - Contacts and Project Description Fields</b>	<b>Complete?</b>
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
<b>PART B - Project Description</b>	<b>Complete?</b>
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
<b>PART C - Required Attachments</b>	<b>Complete?</b>
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	No
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	No
<b>PART D - Cost Estimate Worksheet</b>	<b>Complete?</b>
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
<b>PART E - Total Project Schedule and Budget Including All Segment Fields</b>	<b>Complete?</b>
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
<b>PART F - Signature and Checklist</b>	<b>Complete?</b>
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:	Ian Cordwell
Title:	Director of Planning
Date:	10.22.13

### 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

<b>School/Site Official (required):</b> <small>(Principal, assistant principal, teacher-in-charge, PE Teacher, SRTS coordinator)</small>	
Signature:	
Name:	
Title:	
Date:	
<b>School District official (required):</b>	
Signature:	
Name:	
Title:	
Date:	
<b>Law Enforcement Official (required):</b>	
Signature:	
Name:	
Title:	
Date:	



AERIAL PHOTO MAP - Part C.1



**TOWN OF CAVE CREEK**  
**MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017**



**Pedestrians using road shoulders for circulation**



**Uncontrolled road crossings with non ADA routes / connections**

**TOWN OF CAVE CREEK  
MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017**

**AREA PHOTOS - Part C.2**





Pedestrians using road shoulders for circulation

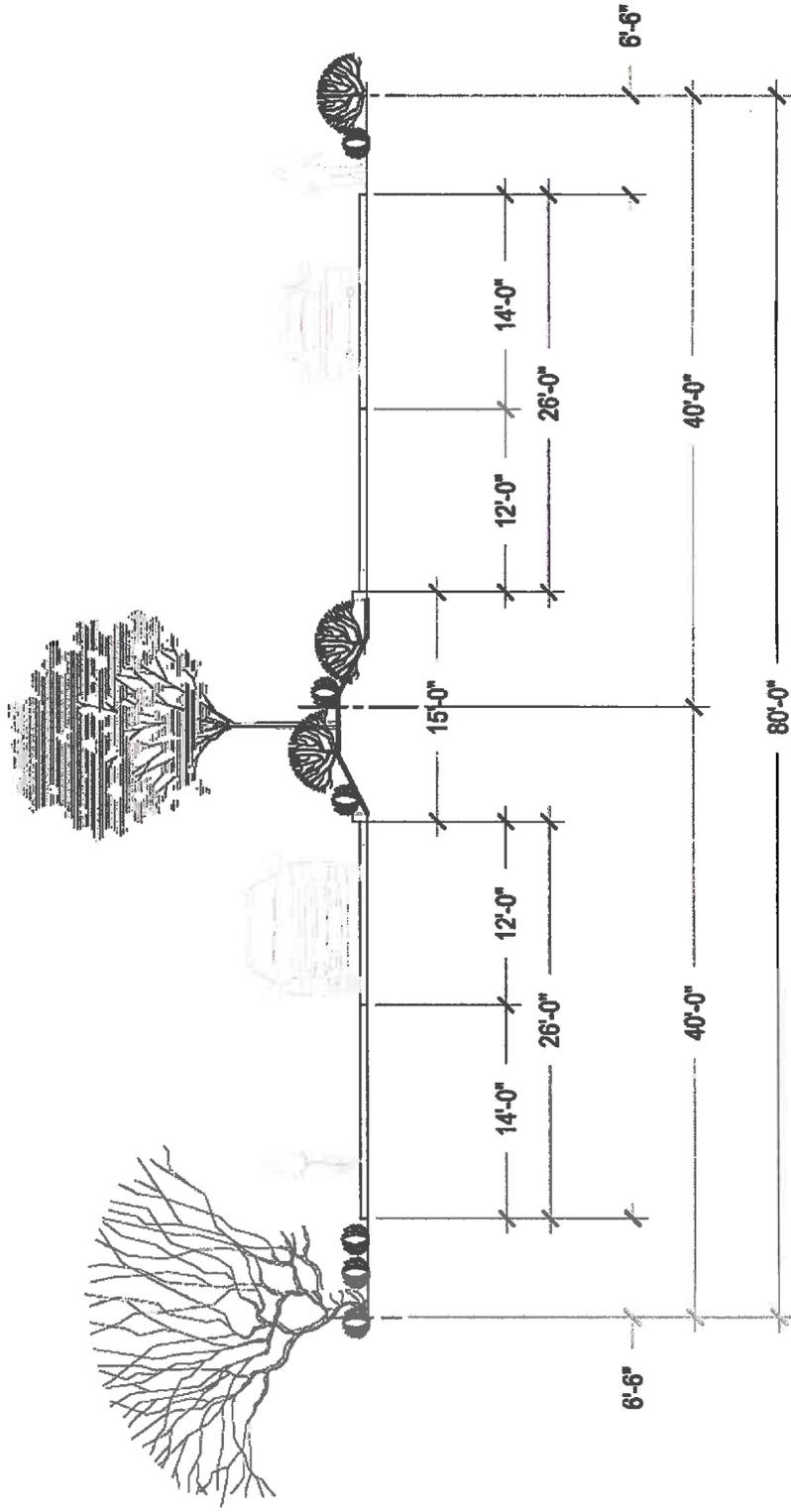


Non ADA routes / circulation within existing right-of-ways

AREA PHOTOS - Part C.2a



**TOWN OF CAVE CREEK  
MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017**



**EXISTING CAVE CREEK ROAD**

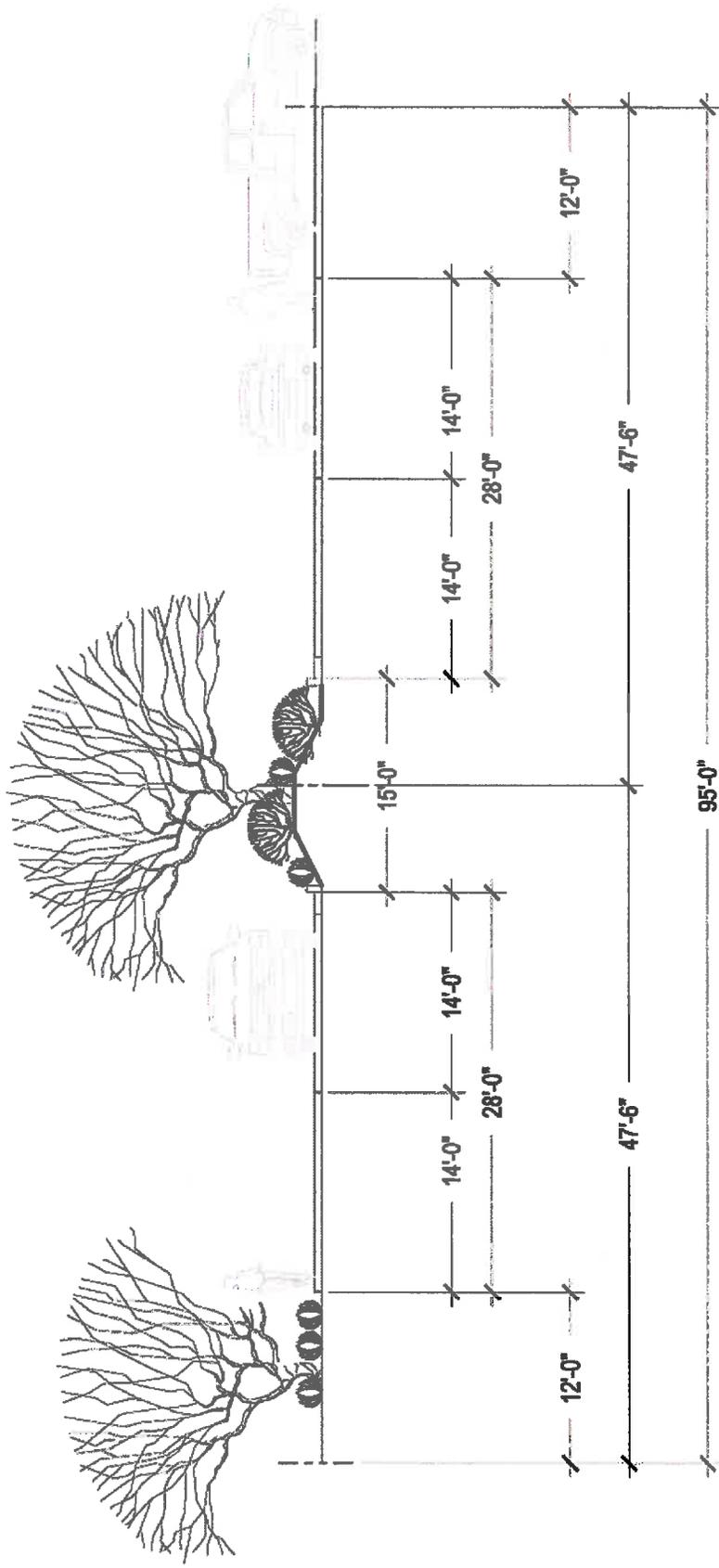
**CROSS SECTION**

**TYP. SECTION - 80 FT RW**

EXISTING CROSS-SECTION - Part C.3



**TOWN OF CAVE CREEK**  
**MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017**

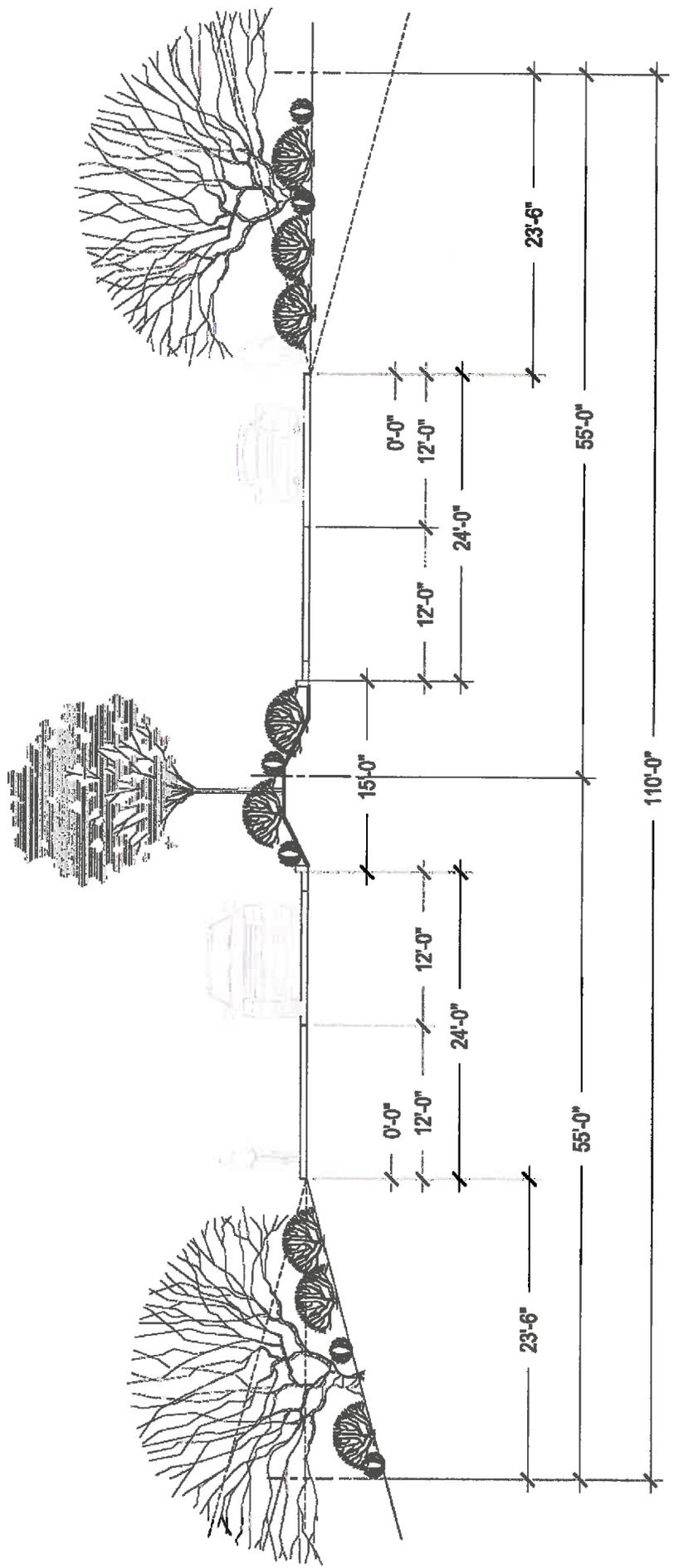


EXISTING CAVE CREEK ROAD  
 CROSS SECTION  
 TYP. SECTION - 95 FT RW

EXISTING CROSS-SECTION - Part C.3a



TOWN OF CAVE CREEK  
 MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017



EXISTING CAVE CREEK ROAD

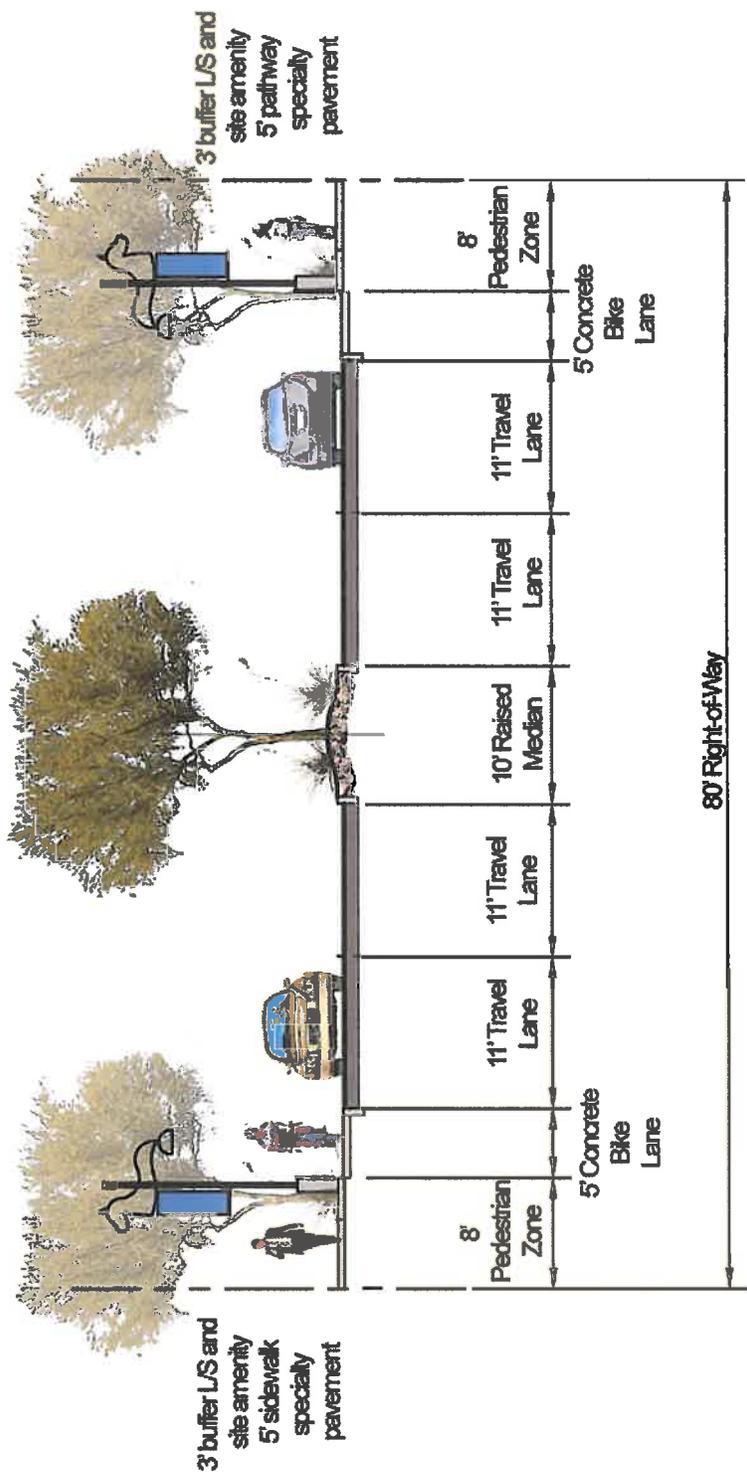
CROSS SECTION

TYP. SECTION - 110 FT RW

EXISTING CROSS-SECTION - Part C.3b



TOWN OF CAVE CREEK  
 MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017

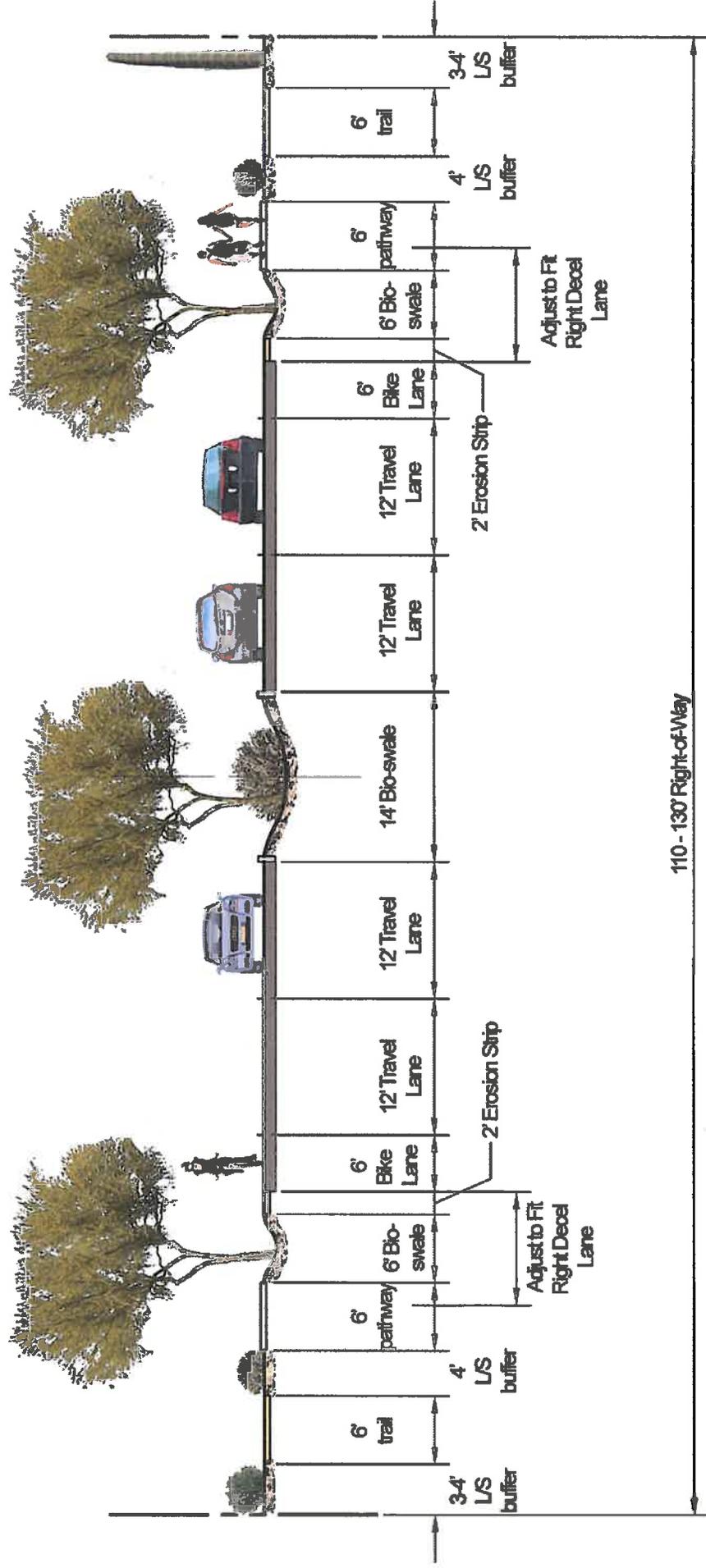


type 1

FUTURE CROSS-SECTION - Part C.4



TOWN OF CAVE CREEK  
MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017



110 - 130' Right-of-Way

# type 2

FUTURE CROSS-SECTION - Part C.4a



TOWN OF CAVE CREEK  
 MAP-21 TA PROGRAM APPLICATION FY 2015-2016-2017

# **Attachment 01 – Commercial and Employment Center List**

Blue Ridge Road to School House Road along Cave Creek Road (within 1/4 mile)

1. Rural Metro Station #825
2. CLs Cycles
3. Baker Office Plaza
4. Cave Creek Town Hall
5. Maricopa County Sheriff's office
6. Cave Creek Welding
7. Tonto Bar and Grille
8. Spur Cross Trading Post Antiques
9. Tobias' Auto Repair
10. Montessori School
11. Wild West Pawn
12. Lazy Lizard Consignment
13. Las Tiendas Gallery
14. Bryans BBQ
15. Black Mountain Feed
16. Circle K
17. Cave Creek Mini Storage
18. Cave Creek Guitars
19. Pink Cadillac Boutique
20. Strawberry Fields Printing
21. American Legion
22. El Encanto Café
23. Mexican Rose Furniture
24. Parkway Bank
25. Rare Earth Gallery
26. Tumbleweed Grand Hotel
27. Frontier Town
28. The Document House
29. Salon Chelle
30. Black Canyon Trading Post
31. Flat Tire Bikes
32. Cowboy Company Western Store
33. Big Earls Greasy Eats
34. For The Goddess Sake Thrift Shop
35. Clearance Time
36. Twigs Gallery
37. Elliott Gallery
38. Cave Creek Coffee Company

39. Pinnacle Horse and Pet
40. El Toro Loco
41. Buffalo Bills
42. Oregano's
43. Custom Accounting and Tax
44. Animal Health Services
45. US Post Office
46. Town of Cave Creek Library
47. Valerie's Thrift Shop
48. Red Truck Trading Company

## 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

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

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