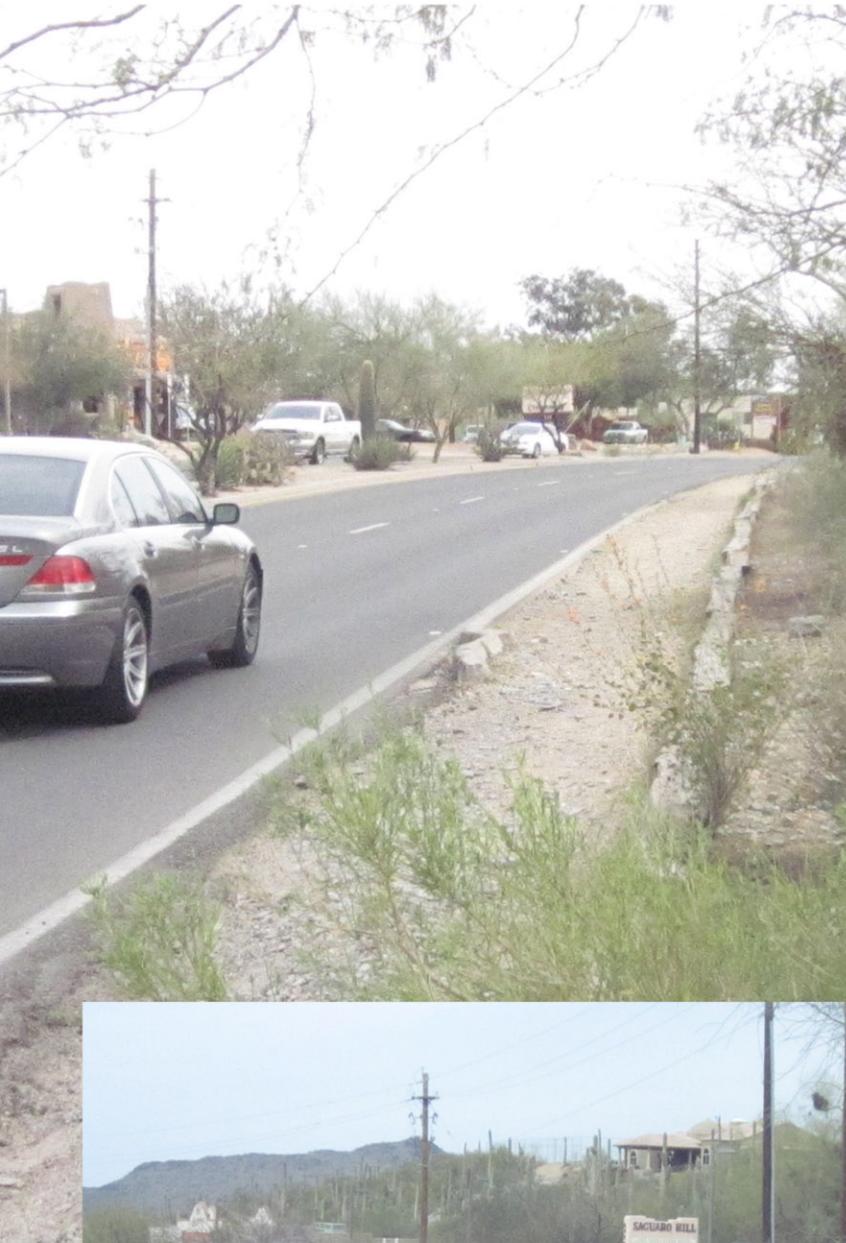


Town of Cave Creek Bike Lane Project



Cave Creek Road

Carefree Highway
to Carefree Pima Road





September 17, 2012

Maureen DeCindis
Transportation Planner III
Maricopa Association of Governments
302 N. First Ave., Suite 300
Phoenix, AZ 85003

RE: CMAQ Funding Application

Dear Ms. DeCindis:

The Town of Cave Creek is pleased to make this application in collaboration with the Town of Carefree. The implementation of bike lanes on both sides of Cave Creek Road from Carefree Highway to Pima Road will benefit both communities by providing safe access for touring and resident bicyclists. More importantly, the project will provide a significant piece of the regional bikeway system.

We look forward to cooperating with the municipalities of Carefree, Phoenix and Scottsdale in making bike corridors safe for all concerned.

Sincerely,

A handwritten signature in black ink, appearing to read "Ian E. Cordwell". The signature is written in a cursive, flowing style.

Ian E. Cordwell, AICP
Director of Planning
Town of Cave Creek

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PEDESTRIAN, BICYCLE and SHARED-USE FACILITY PROJECT APPLICATION

General Instructions:

This Excel form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for Bicycle Projects to be included in the FY2014-FY 2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2015, 2016 and 2017.

This application form includes:

- Part A - Contact and Project Description,
- Part B - Segment Description and Proposed Improvements,
- Part C - Total Project Budget and Schedule,
- Part D - Checklist and Signature Page, and Transmittal Instructions and Schedule.

Each part is a separate tab of this excel file. Please complete Parts A - D. Alternative application forms are available upon request.

Deadlines and Transmittal Instructions:

Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 a.m. Wednesday, September 19, 2012**. The application is to be submitted electronically and should include ArcGIS shape files depicting the project location if they are available.

Detailed transmittal instructions are located in a separate tab in this excel sheet. Late applications **will not be accepted.**

If member agencies need additional information or have questions, they should contact Teri Kennedy or Stephen Tate at (602) 254-6300 or contact them by e-mail at the following addresses:

- <mailto:state@azmag.gov>
- <mailto:tkennedy@azmag.gov>
- <mailto:MDeCindis@azmag.gov>

All information is required, unless noted by the word - Optional.

PART A - CONTACT AND PROJECT DESCRIPTION

Contact Information	
1. Sponsoring Agency	Cave Creek
2. Contact Name	Ian Cordwell
3. Phone	480-488-6614
4. E-Mail Address	icordwell@cavecreek.org
5. Mailing Address	37622 N. Cave Creek Road, Cave Creek, AZ 85331

Project Description	Bike Lane Project
6. Please provide the Project Title.	
7. Please provide a general description of the project (Please no more than 200 characters)	
<p>Provide Bike Lanes along Cave Creek Road from Carefree Highway through Cave Creek Town Core to Carefree Town Core ending at Pima Road in Carefree with spur branches.</p>	
8. Please attach a map with streets labeled showing the location(s) of the bicycle/shared-use facility .	Please attach map with transmittal

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

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.

CMAQ Funding Eligibility

All Pedestrian, Bicycle and Shared-Use projects to be funded with federal CMAQ funds must be located in the 8-Hour Ozone Nonattainment Area. Please use the following link to verify that the project is in the nonattainment area.

[Links to 8-Hr Ozone Nonattainment Area Map](#)

Section 1 - Project Description

1. What is the type of bicycle project? (Check all that apply)

<input checked="" type="checkbox"/> Bicycle lane (4' min. w/o curb/gutter)	<input type="checkbox"/> Shoulder paving is within 4-miles of a PM-10 monitor
<input checked="" type="checkbox"/> Bicycle lane (5' min. with curb/gutter)	Link MAG Webpage for Map of PM-10 Monitor Locations
<input type="checkbox"/> Shared-use path (10' min.)	<input type="checkbox"/> Signalized crossing
<input type="checkbox"/> Bridge (overpass)	<input type="checkbox"/> Signalized midblock crossing/HAWK
<input type="checkbox"/> Tunnel (underpass)	<input type="checkbox"/> Mid-block crossing w/ pedestrian refuge
<input type="checkbox"/> Paved shoulders (5' min.)	Other <input type="text" value="Road Diet"/>

1a. What is the type of pedestrian project? (Check all that apply)

<input type="checkbox"/> Sidewalk (5' min.)	<input type="checkbox"/> Signalized crossing
<input type="checkbox"/> Wide sidewalk (8' min.)	<input type="checkbox"/> Signalized midblock crossing/HAWK
<input type="checkbox"/> Detached sidewalk (4' min. buffer)	<input type="checkbox"/> Mid-block crossing w/ pedestrian refuge
<input type="checkbox"/> Bridge (overpass)	Other <input type="text"/>
<input type="checkbox"/> Tunnel (underpass)	

2. Please describe the facility on which the improvement will be located.

For a linear feature please enter the Facility Name, Starting Limit and Ending Limit. For a point feature (e.g. an intersection or crossing) please enter a Facility Name and a Crossing Feature.

Cave Creek Road beginning at Carefree Highway through the Town Core of Cave Creek to the Town Core of Carefree ending at Pima Road (Carefree), then south 1/4 mile to Stagecoach Pass. A spur branch of bike lanes will travel south of the Carefree Town Core along Tom Darlington Road for 1.3 miles.

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)

Through Lanes

The application submission will include ArcGIS shapefiles.

3. Please provide a map, aerial map, graphics and photos that clearly show the segment alignment and features that connect to other bicycle facilities and that cross into or about the alignment such as: washes, canals, railroad crossings, and other crossing features that may affect the project.

4. Please provide 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.

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

5. Please provide an estimated traffic volume (ADT) below.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology used for the ADT Estimate

6. 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.

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

7. 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 |

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

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

- | | | | |
|-------------------------------------|---|-------------------------------------|--|
| <input type="checkbox"/> | No Utility in or abutting the alignment | <input checked="" type="checkbox"/> | Pipelines, Sewer and Water |
| <input type="checkbox"/> | Canals & Drainage | <input type="checkbox"/> | Private Structures |
| <input checked="" type="checkbox"/> | Power Lines & Cables | Other | <input type="text" value="Communications and natural gas service infrastructure"/> |

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

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

No known utility modifications are required for the improvements proposed. There are existing utility providers within the project area. These providers include APS, Black Mountain Sewer (AKA Liberty Water), Carefree Water, Century Link, Cox, Southwest Gas and the Town of Cave Creek Water and Sewer, City of Scottsdale Sewer, and Crown Castle Telecom Fiber. Adjustments to man-hole grade heights or flush conditions may be required once a survey is completed. No pole or underground service lines are anticipated to be disturbed as part of these surface improvements. At-grade utilities such as man-holes, meter boxes, or pull boxes may require horizontal or vertical adjustments. A \$100,000 allowance has been included as a contingency for these needs.

Section 2 - Proposed Improvements

11. Please describe the work to be performed on the project:

This project will add 5 ft wide bike lanes via a road diet that narrows existing vehicle lanes to 11 ft wide in the 30 mph Cave Creek Town Core zone. A 6 in wide painted bike stripe will be provided as separation from travel lanes in the Town Core. Existing landscaped medians will also be narrowed to accommodate the bike lanes. Beyond the Cave Creek Town Core in Cave Creek, a 6 ft wide rubberized asphalt bike lane is proposed in the 110-130 ft right-of-way areas. A painted separation buffer of 1-2 ft wide (varies on adjacent land use) is proposed. For the outside edge of bike lane pavement in rural areas, a 24" pervious concrete or bound aggregate material (Firma-pave) erosion scour edge is proposed. Way-finding signage and bike signage is proposed for the entire length of the corridor. In the Cave Creek 6 ft wide bike lane areas, inlaid and vertical distance measurement markers are proposed. The Carefree area bike lanes will have 5 ft wide bike lanes with a 6" painted separation stripe.

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other	MUTCD, Town of Cave Creek Technical Design Guidelines, ADA Standards for Accessible Design
<input type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines		
<input type="checkbox"/>	MAG Complete Streets Guide		

13. Why is this project an enhancement to the local and/or regional transportation system? Is this a one-time opportunity?

This project will enhance the 2 Town Cores and strengthen the main street districts of each municipality. It will create a bicycle friendly linkage along the Cave Creek Road corridor where none exists today. This project will provide connectivity for a multi-modal network in the Town of Cave Creek and Carefree. From a regional perspective, it will provide a missing linkage with the Town of Carefree and its Town Core for cyclists. This project will also extend the connection of the existing Phoenix Sonoran Bikeway at Carefree Highway north to these 2 communities. The proposed bike lanes will extend into Carefree and beyond to Pima Road to connect to existing bike lanes at the edge of Scottsdale. This project completes a gap in the regional trail network and connects to existing facilities in both Phoenix and Scottsdale.

14. Please describe the current surface condition of the proposed project

Asphalt shoulders are rough and have erosion scour where no curbs or gutters exist. Most shoulder areas are unpaved and are

15a. Safety improvements to be included for bike facilities: (Check all that apply)

<input checked="" type="checkbox"/>	Wide bike lanes (6'-7')	Buffer Zone, Width	2'-0"
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		
<input type="checkbox"/>	Signalized crossing		
<input type="checkbox"/>	Path lighting	Other	Added signage, pavement markings, unique design features that establish an identity to the bike lane, promotion of lower vehicle speed limits in each Town Core, and ties to existing traffic calming features within Carefree.

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

15b. Safety improvements to be included for pedestrian facilities: (Check all that apply)

<input type="checkbox"/>	Wide sidewalk (8' min.)	Buffer Zone, Width	
<input type="checkbox"/>	Grade-separated crossing (overpass or underpass)		
<input type="checkbox"/>	Signalized crossing		
<input type="checkbox"/>	Path lighting	Other	
<input type="checkbox"/>	Shade		

16a. Number of convenience improvements to be included for bike facilities:

<input type="text" value="0"/>	Number of Drinking Fountains	<input type="text" value="0"/>	Number of Trees/shade structures
<input type="text" value="30"/>	Number of Way-finding Signs		
<input type="text" value="0"/>	Number of Bike racks/lockers	Other	
<input type="text" value="0"/>	Number of Trash receptacles		
<input type="text" value="0"/>	Number of Seating/Rest(s)		

16b. Number of convenience improvements to be included for pedestrian facilities:

<input type="text" value="0"/>	Number of Drinking Fountains	<input type="text" value="0"/>	Number of Trees/shade structures
<input type="text" value="0"/>	Number of Way-finding Signs		
<input type="text" value="0"/>	Number of Trash receptacles	Other	
<input type="text" value="0"/>	Number of Seating/Rest(s)		

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

This project will provide a dedicated on-street lane for cyclists who are currently sharing the road with motorized vehicles. Awareness signage and pavement materials will improve the safety of both cyclists and pedestrians (roadside walkers). A wider 6 ft cycle lane for posted speeds of 45 MPH or greater will add to the safety of cyclists in high speed areas.

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

Town Core areas that intersect with crosswalks will have new ADA ramps provided with the bike lane improvements.

19. Connectivity: (Check all that apply)

<input checked="" type="checkbox"/>	Project fills a gap in the system
<input checked="" type="checkbox"/>	Project connects to other local facilities
<input checked="" type="checkbox"/>	Project is on a regional facility
	Regional Facility Name
	Gateway Desert Awareness Park, Phoenix Sonoran Bikeway
<input checked="" type="checkbox"/>	Multi Jurisdictional Project
	List of Participating Jurisdictions
	Town of Carefree
<input type="text" value="0"/>	Number of transit routes and Park & rides served.
	List: route number(s)/park & ride(s) served.

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

20. Total length of facility connected by this project (in miles)

Miles of facilities connected

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

Within 1/4 mile
List:

1/4 mile to 1/2 mile
List:

1/2 mile to 1 mile
List:

22. Number of commercial destinations (malls, retail centers, business parks, etc.) and transit services (bus/rail routes, stops, and stations) this project will benefit:

Within 1/4 mile
List:

1/4 mile to 1/2 mile
List:

1/2 mile to 1 mile
List:

23. Number of schools (public elementary, middle, and high schools, colleges, and universities) this project will benefit:

Within 1/4 mile
List:

1/4 mile to 1/2 mile
List:

1/2 mile to 1 mile
List:

24. What are the demographics of the area served:

- < 5 Units Housing Density (Number of dwelling units per acre) within 1/2 mile
- The project is in a block group where the average household income is less than \$26,000/year (Use block group data from the Census 2010)
- X The project is in an area that serves adults over the age of 60 years (Use block group data from the Census 2010)

PART B-PEDESTRIAN, BICYCLE & SHARED-USE PROJECT DESCRIPTION AND PROPOSED IMPROVEMENTS

25. 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	Required
Complete Streets Policy	Recommended

26. The project is: (Check one)

- Identified in General Plan, council adopted policy, or Capital Improvements Program
List:
Cave Creek General Plan, Carefree General Plan, Carefree Transportation Plan, Cave Creek Council approved
- Consistent with general policy/practices, but not formally identified
Explain

- Not addressed by jurisdiction's plans, policies, or practices

27. Describe how this project will be publicized to the general public.

This project and its Cave Creek segment has already been announced to the general public as part of the 2012 MAG/Cave Creek Bike Study and Main Street Design project. Under that project, 4 public meetings were held with strong support from the local community. Future design contracts will include additional public meetings and stakeholder groups to refine the final design.

28. How will you determine customer satisfaction/evaluation?

During future design contracts, public meetings will include survey handouts for project feedback and evaluation. After construction is completed. Solicitations for comments can be conducted during annual public events and festivals that are held within the project area to determine customer satisfaction or evaluations.

PART C - TOTAL PROJECT SCHEDULE AND BUDGET INCLUDING ALL SEGMENTS

Please provide a cost and programming estimate for the total project (e.g. the cost to complete all planned segment improvements). 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 the segment description(s) in Part B(s).

Cost Estimate for the Project Including ALL Segments	Cost	Optional (Additional Notes)
1. ADOT Fee	\$ 63,322.00	2% of the total project costs
2. Design	\$ 320,000.00	10% of total project construction costs
3. Right of way	\$ -	All design work to be completed within existing ROW. No additional ROW costs.
4. Utilities	\$ 100,000.00	Allowance for possible at-grade adjustments of infrastructure. No survey available to determine qty
5. Construction	\$ 2,938,480.00	Per MAG cost estimate spreadsheet - \$2,938,480.00 for construction.
6. Contingency	\$ 320,000.00	10% contingency
7. Total Cost	\$ 3,747,802.00	This includes design fees that are not covered under the funding source.

8. Please attach a detailed cost estimate if available. [Link to MAG Webpage for Bike-Ped Cost Form](#)

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

Yes

10. Expected Annual Maintenance Cost

\$ 4,000.00	Bike lane only maintenance would be restriping as needed annually. Pavement costs covered under total road maintenance.
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Requested MAG Programming	Year	Local Funding Source	Local Cost	Federal Cost	Total Cost
11. Design	2013	General Fund	\$ 323,000.00	Not Available	\$ 323,000.00
12. Right of way and Utilities	2013	General Fund	\$ 100,000.00	Not Available	\$ 100,000.00
13. Construction	2015	General Fund	\$ 290,940.00	\$ 2,938,480.00	\$ 3,229,420.00
			\$ 713,940.00	\$ 2,938,480.00	\$ 3,652,420.00

Pedestrian, Bicycle and Shared-Use Facility Project Application from Cave Creek for 'Bike Lane Project'

PART D - SIGNATURE AND CHECKLIST

As the jurisdiction'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: *Original Signed*

Name: Ian Cordwell

Title: Town of Cave Creek Planning Director

Date: 9/17/12

WILL FILL OUT AFTER QUESTIONS APPROVED.

Checklist - OPTIONAL

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed.

PART A - Contacts and Project Description Fields

Complete?

Contact Information, fields 1 – 5 are complete

Project Description, fields 6 - 7 are complete

Project Description, field 8 – project map is provided in the printed application. Please attach a PDF file in the electronic submittal.

PART B - Segment Description and Proposed Improvements Fields

Complete?

Project Description, Section 1

Fields 1 - 2 are complete

Field 3 – segment alignment map is provided in the printed application. Please attach PDF file in the electronic submittal.

Field 4 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.

Fields 5 – 10 are complete

Proposed Improvements, Section 2

Fields 11 – 28 are complete

PART C - Total Project Schedule and Budget Including All Segment Fields

Complete?

Fields 1 – 7 are complete

Field 8 - please check box if included and provided in the printed application. Please attach PDF file in the electronic submittal.

Field 9 - 10 are complete

Fields 11 – 13 Years are complete

Fields 11 – 13 Local Funding Sources are complete

Fields 11 – 13 Local Costs are complete

Field 11 - 13 Federal Costs are complete

PART D - Signature Page Fields

Complete?

Form is signed

Name, title and date fields are completed.

Pedestrian, Bicycle and Shared-Use Facility Project Application from Cave Creek for 'Bike Lane Project'

Pedestrian/Bicycle Cost Estimation Form

Design Funding		Locally Funded												
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	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	4. HAZMAT ASSESSMENT			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
Subtotal Scoping (Part A)							\$0.00		\$0.00	\$0.00				
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Right-of-Way Acquisition			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	2. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	3. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	4. DRAINAGE REPORT			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
	5. SWPPP			LS	1	\$0.00	\$0.00	FALSE	\$0.00	\$0.00				
Subtotal PE (Part B)							\$0.00		\$0.00	\$0				
C. Construction Or Implementation For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4	1. Hardscape Construction			LS	1	\$25,000.00	\$25,000.00	TRUE	\$23,575.00	\$1,425.00				
	Installation Of SWPP Measures			LS	1	\$25,000.00	\$25,000.00	TRUE	\$23,575.00	\$1,425.00				
	Site Preparation			LS	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
	Demolition			Sawcut	LF	56,100	\$1.00	\$56,100.00	TRUE	\$52,902.30	\$3,197.70			
				Remove Single Curb/Curb & Gutter	LF	20,300	\$8.00	\$162,400.00	TRUE	\$153,143.20	\$9,256.80			
				Remove Structures and Obstructions	LS	1	\$50,000.00	\$50,000.00	TRUE	\$47,150.00	\$2,850.00			
				Remove Fencing	LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Remove Structural Concrete	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Remove Asphaltic Concrete Pavement	SY	6,300	\$4.00	\$25,200.00	TRUE	\$23,763.60	\$1,436.40			
				Remove Traffic Stripe	LF	48,700	\$0.15	\$7,305.00	TRUE	\$6,888.62	\$416.39			
				Remove Concrete Sidewalks, Slabs	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
	Hazmat Abatement			LS	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
	Utility Relocation			LS	1	\$100,000.00	\$100,000.00	TRUE	\$94,300.00	\$5,700.00				
	Retaining Wall - Reinforced Concrete Cantilevered			SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
	Earthwork			General Excavation	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Drainage Excavation	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Structural Excavation	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Structural Backfill	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Borrow (In Place)	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
	Curb & Gutter			LF	15,860	\$7.00	\$111,020.00	TRUE	\$104,691.86	\$6,328.14				
	Aggregate Base			CY	5,550	\$30.00	\$166,500.00	TRUE	\$157,009.50	\$9,490.50				
	Pathway Or Sidewalk Materials			Concrete	SF	128,500	\$7.00	\$899,500.00	TRUE	\$848,228.50	\$51,271.50			
				Colored Concrete	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Stamped Color Concrete	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Precast Concrete Pavers	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Asphaltic Concrete	Ton	4,800	\$80.00	\$384,000.00	TRUE	\$362,112.00	\$21,888.00			
				Polymer or Resin Stabilized Surface	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
	Crosswalk Enhancement			Concrete Pavers	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Stamped Asphalt	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Stamped Concrete	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
				Concrete	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00			
	Integral Color Concrete			SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
	Pedestrian ADA Ramp			Each	86	\$1,800.00	\$154,800.00	TRUE	\$145,976.40	\$8,823.60				
Culvert Extensions			LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00					
Pedestrian Lighting Including Conduit And Trenching			Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00					
Handrail			Standard	LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Decorative	LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
Subtotal Hardscape Construction							\$2,141,825.00		\$2,019,740.98	\$122,084.03				
2. Landscaping & Irrigation Items			Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements	Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Trees (15 Gallon Size)	Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Trees (5 Gallon Size)	Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Shrubs (5 Gallon Size)	Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Shrubs (1 Gallon Size)	Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Cactus (5 Gallon Size)	Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00				
			Mulch			Decomposed Granite	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00	
						Organic	CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00	

	Topsoil		CY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Seeding		Acre	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Turf Sod		SY	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Boulders		Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Irrigation System	Drip	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
		Turf	SF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Sleeving For Irrigation System	Directional Bore	LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
		Cut and Patch	LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Landscape Header Curb		LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Landscape Establishment		LS	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Subtotal Landscaping & Irrigation Items					\$0.00		\$0.00	\$0.00
3. Site Furnishings	Benches		Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Seatwalls		LF	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Bike Racks		Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Trash Receptacles		Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Drinking Fountains		Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Signage (Standard Traffic Control)		Each	80	\$380.00	\$30,400.00	TRUE	\$28,667.20	\$1,732.80
	Tree Grates		Each	0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
	Subtotal Site Furnishings					\$30,400.00		\$28,667.20	\$1,732.80
4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	2' Wide pervious bound aggregate pavement stripe		SF	82,520	\$6.00	\$495,120.00	TRUE	\$466,898.16	\$28,221.84
	Thermoplastic Striping		LF	65,000	\$0.75	\$48,750.00	TRUE	\$45,971.25	\$2,778.75
	Obliterate Thermoplastic Symbol		Each	50	\$150.00	\$7,500.00	TRUE	\$7,072.50	\$427.50
	Thermoplastic Arrow/Symbol		Each	50	\$250.00	\$12,500.00	TRUE	\$11,787.50	\$712.50
				0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
				0	\$0.00	\$0.00	TRUE	\$0.00	\$0.00
Subtotal Other Construction					\$563,870.00		\$531,729.41	\$32,140.59	
5. Mobilization And Administration Costs	Contractor Mobilization		LS	1	\$50,000.00	\$50,000.00	FALSE	\$0.00	\$50,000.00
	Traffic Control		LS	1	\$60,000.00	\$60,000.00	TRUE	\$56,580.00	\$3,420.00
	Construction Survey & Layout		LS	1	\$20,000.00	\$20,000.00	TRUE	\$18,860.00	\$1,140.00
	Construction Contingencies		LS	1	\$150,000.00	\$150,000.00	TRUE	\$141,450.00	\$8,550.00
	Construction Administration		LS	1	\$150,000.00	\$150,000.00	TRUE	\$141,450.00	\$8,550.00
Subtotal Mobilization & Administration Costs					\$430,000.00		\$358,340.00	\$71,660.00	
Subtotal Construction Or Implementation Cost (Part C)					\$3,166,095.00		\$2,938,477.59	\$227,617.42	
D. Total Scoping, PE and Construction (Part A, B, and C)					\$3,166,095.00		\$2,938,477.59	\$227,617.42	
E. Adot Fee For Pe Reviews And Staff Charges (The higher of \$20,000 or 2% of Total Cost (Part D))					\$63,321.90	FALSE	\$0.00	\$63,321.90	
F. Total Project Cost Including ADOT Fees (Part D + Part E)					\$3,229,416.90		\$2,938,477.59	\$290,939.32	

Schedule Information: Please enter anticipated dates for completing the steps in the process for obtaining the FHWA commitment (e.g. obligation) to fund the projects. If the step is not applicable - e.g. right-of-way clearance for an ITS procurement project - please enter "Not Applicable".

Key Factors Affecting Scheduling: The following lists basic information that would affect timelines for obligation.	
Type of Work to be Obligated	Construction
Year Construction is to be Authorized	2015
Type of Environmental Clearance Needed	Group 2, Categorical Exclusion
Funding Source for the Design	Locally Funded

<== Drop Down Box

<== Drop Down Box

Phase	Step	Critical Deadline	Planned Date		Notes
			Start	End	
	Preliminary Project Assessment		1/13/2013	4/1/2013	PA to include environmental clearances
	Design Concept Report				no DCR with preferred alternate concept approved, PA to substitute
	30 Percent Plans		4/1/2013	8/1/2013	
	60 Percent Plans	In-House Draft Plans Developed by 7/2014*	8/1/2013	11/1/2013	
	95 Percent Plans		11/1/2013	1/1/2014	
	Plans, Specifications & Estimates	Completed by 6/30/2015**	1/1/2014	2/1/2014	
Environmental	Hazmat Report	Submitted to ADOT by 7/2014*	1/13/2013	4/1/2013	
	Biological Report	Submitted to ADOT by 7/2014*	1/13/2013	4/1/2013	
	Cultural Report	Submitted to ADOT by 7/2014*	1/13/2013	4/1/2013	
	Envir Document/Clearance	Completed by 6/30/2015**	1/13/2013	4/1/2013	
Right-of-Way	Inventory Completed	Completed by 7/2014*	1/13/2013	4/1/2013	
	Acquisitions Completed	ROW work cannot proceed prior to the approval of the environmental clearance!***			No ROW takes required for project concept
	ROW Clearance	Completed by 6/30/2015** ROW work cannot proceed prior to the approval of the environmental clearance!***	4/1/2013	8/1/2013	
Other	Utilites Clearance	Completed by 6/30/2015**	4/1/2013	1/1/2014	
	Materials Memo	Completed by 6/30/2015**	4/1/2013	1/1/2014	
	IGA/JPA (Typically at least requires 6 months, Not applicable for CA Agencies)	Completed by 6/30/2015**	4/1/2013	1/1/2014	
	Authorize Project	Completed by 9/15/2015***	1/1/2014	4/1/2014	

* MAG requirement for the project to be kept in the year programmed. If the project has been previously deferred, the project will be deleted if it fails to meet this deadline.

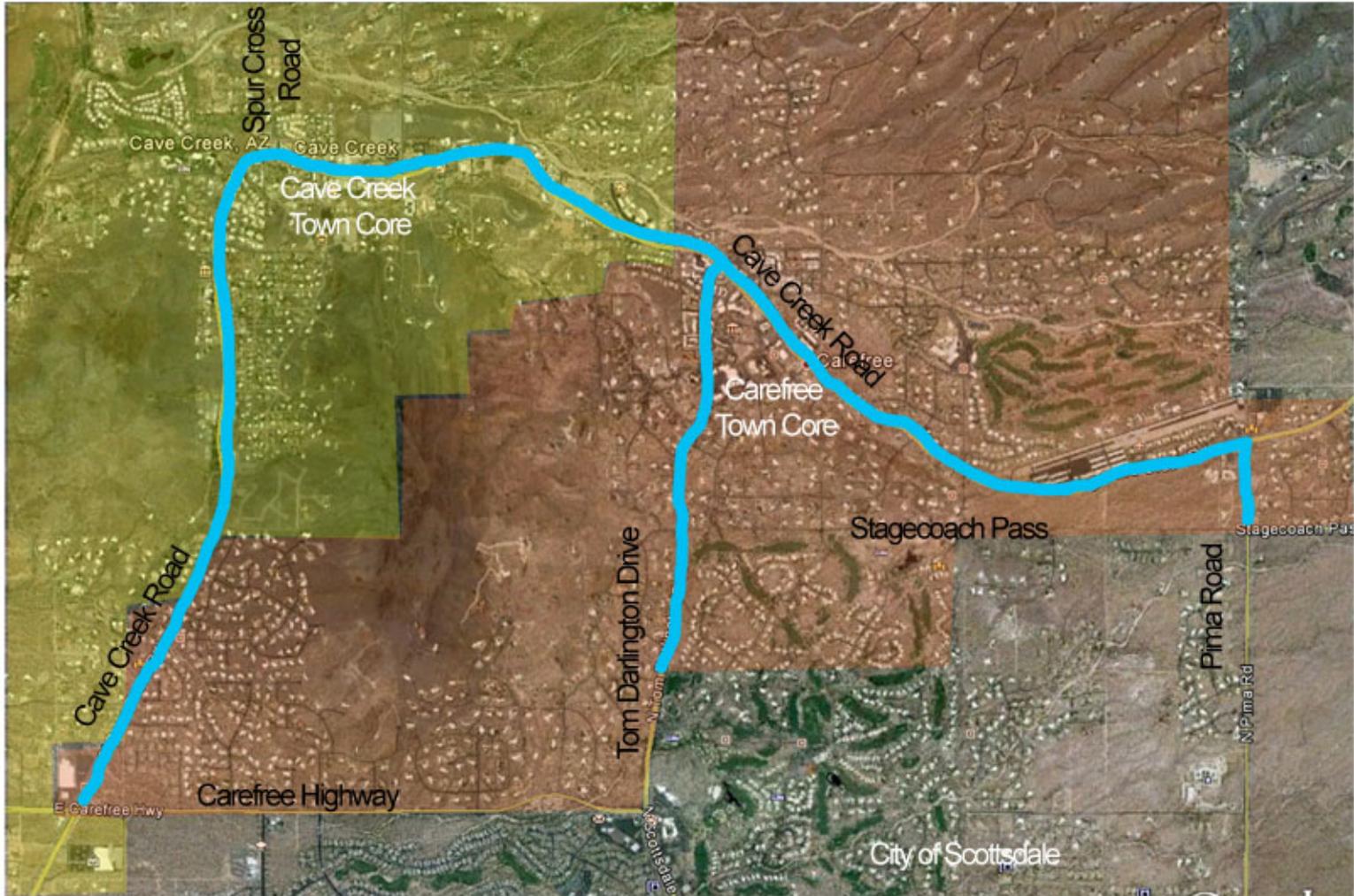
** ADOT requirement to insure that the State can re-allocate funding to insure that federal obligation authority is not lost (meets "use it or lose it" federal requirements).

*** FHWA requirement.

Appendix

- Part A - Location Map
- Part B - Connections Map
- Part B - Roadway Sections - 80 ft Cave Creek
- Part B - Roadway Sections - 110-130 ft Cave Creek
- Part B - Roadway Sections - 110 ft Carefree
- Existing Photos - Cave Creek Road
- Letters of Support

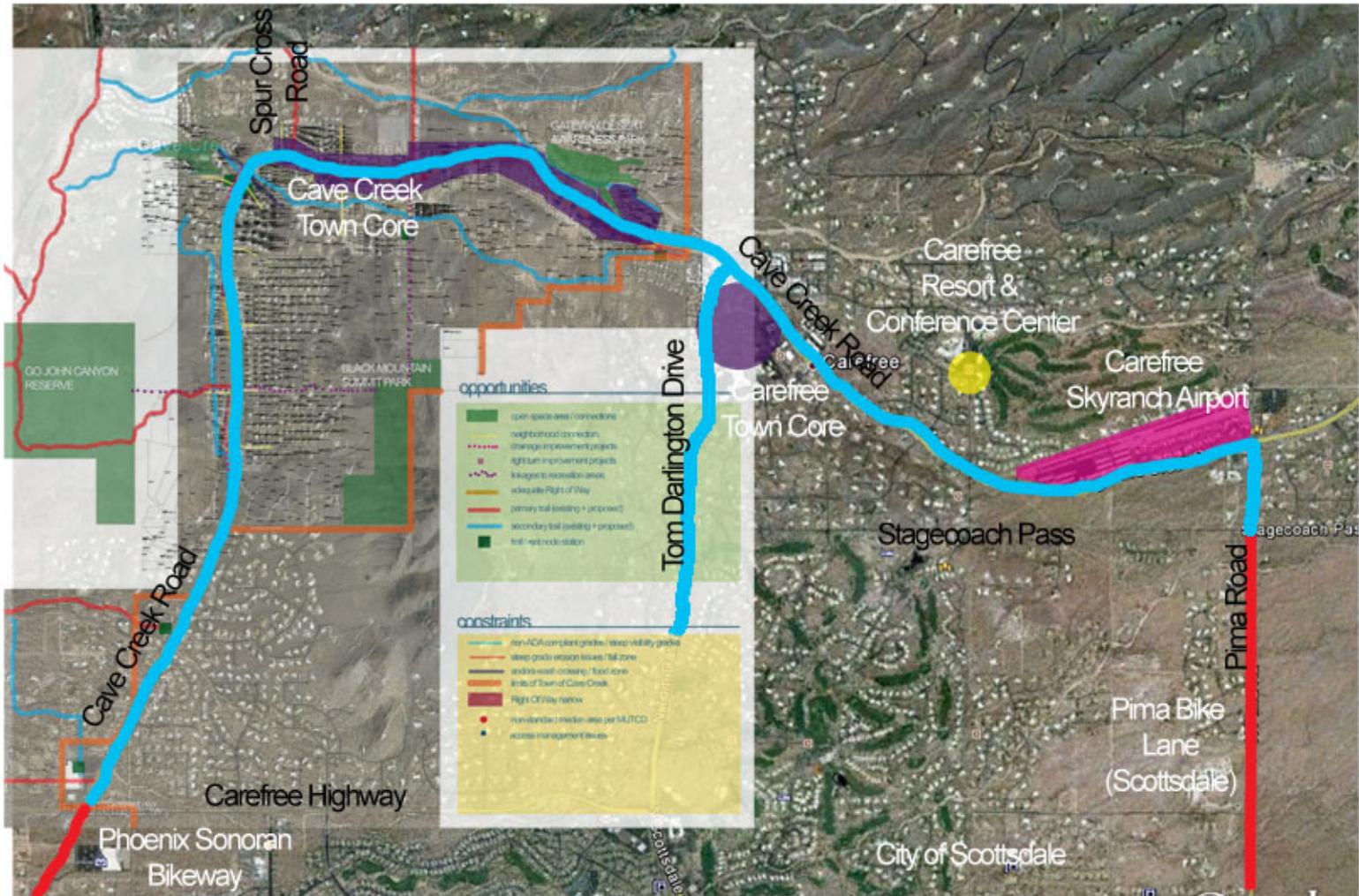
Part A - Location Map



Town of Cave Creek Bike Lane Project



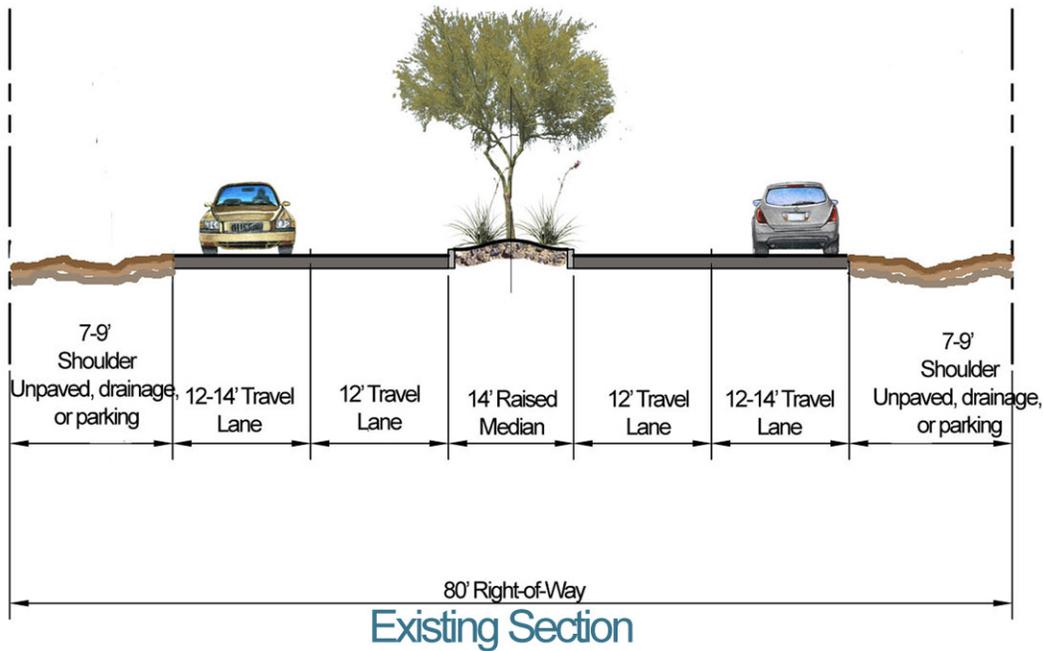
Part B - Connections Map



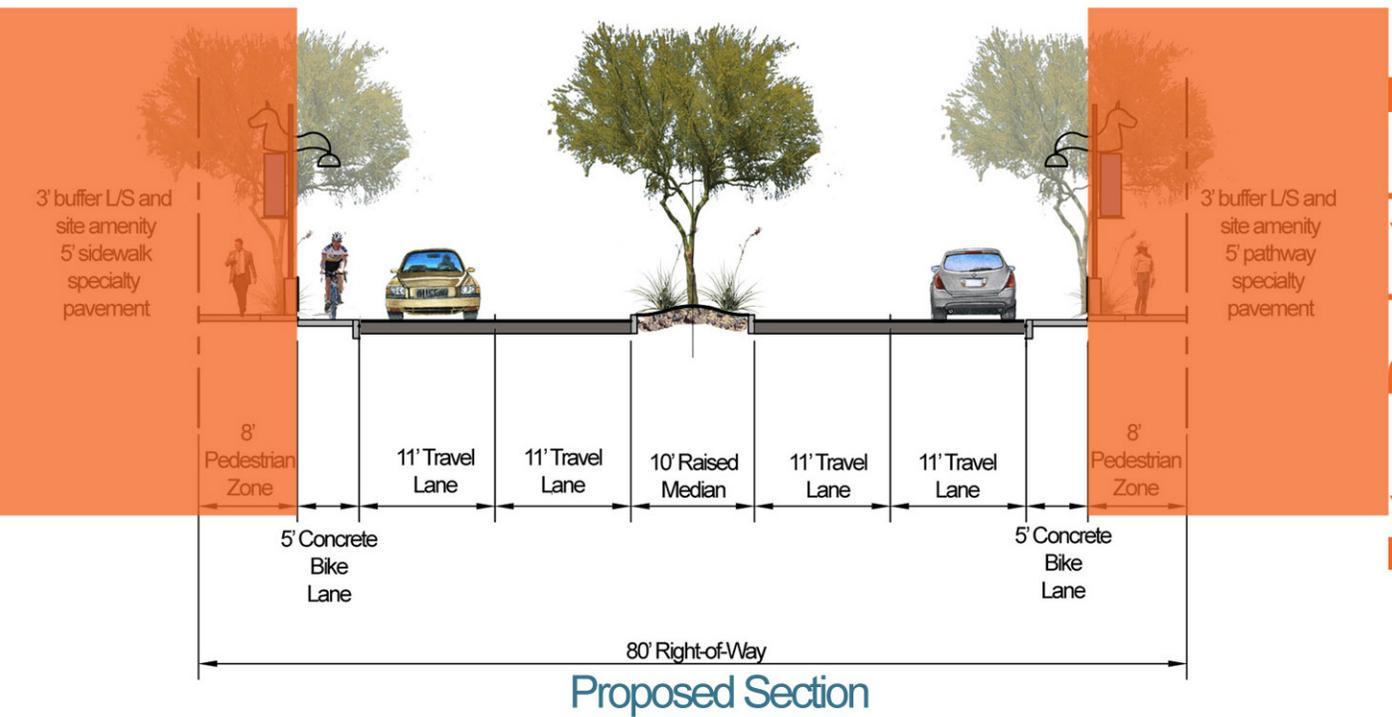
Town of Cave Creek Bike Lane Project



Part B - Roadway Sections



Future Pedestrian Zone

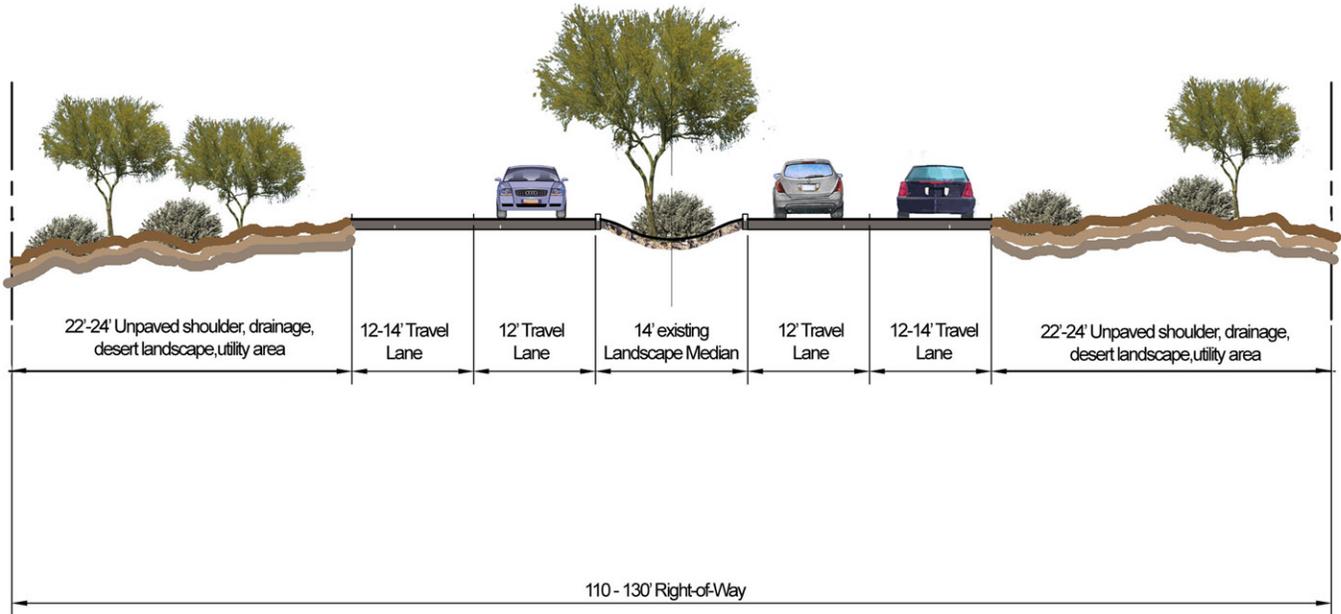


Future Pedestrian Zone

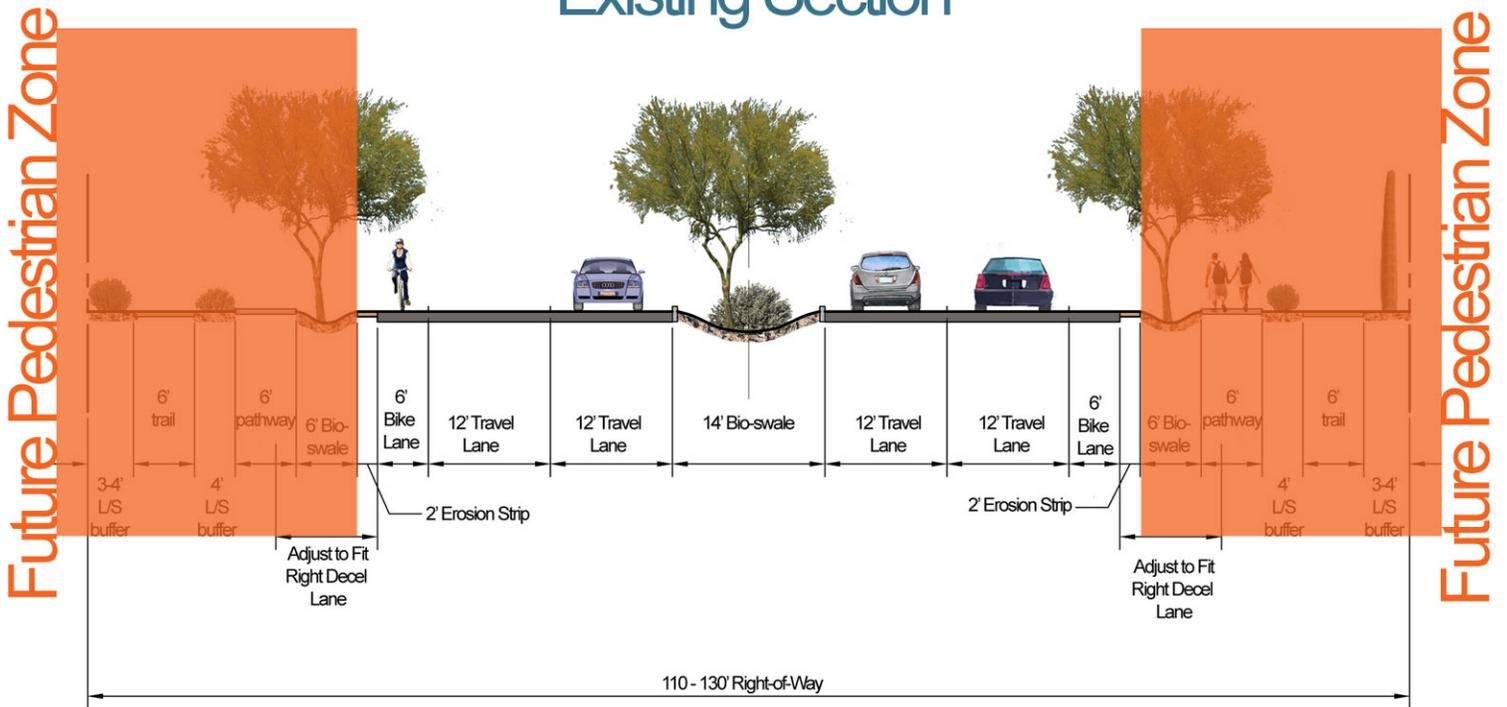
Town of Cave Creek Bike Lane Project



Part B - Roadway Sections



Existing Section

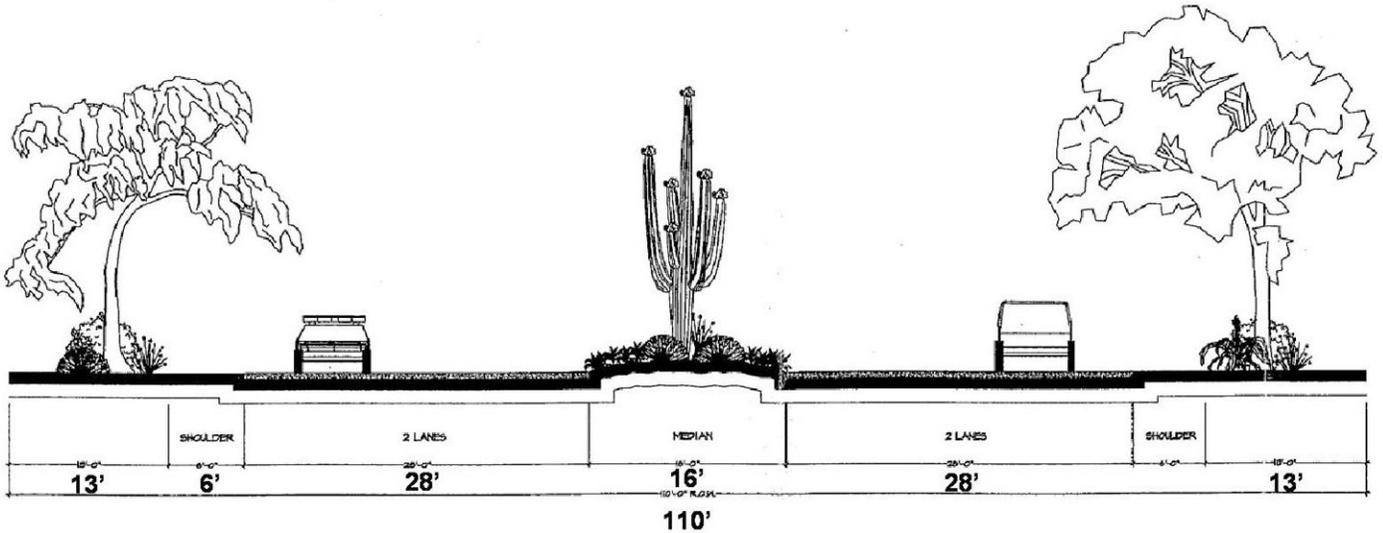


Proposed Section

Town of Cave Creek Bike Lane Project



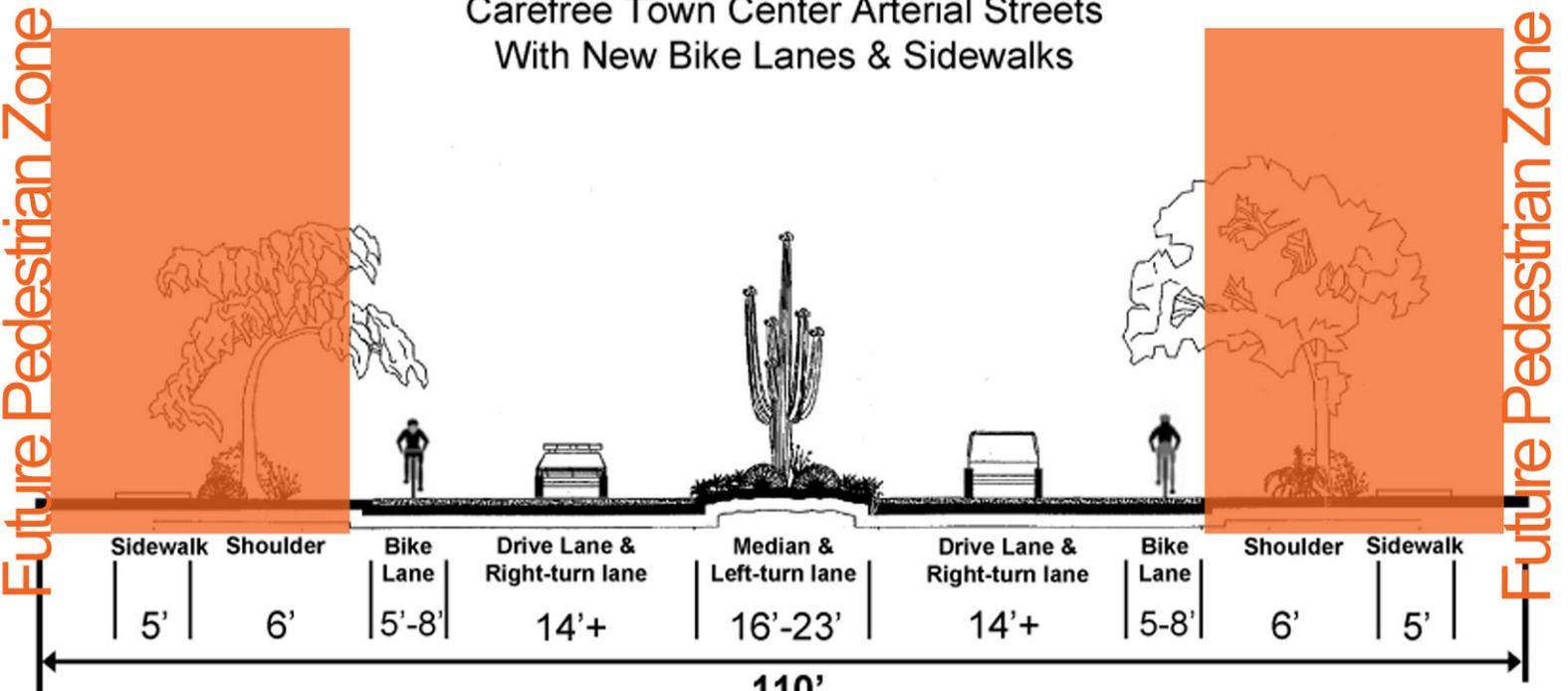
Existing Typical Arterial Street Cross-Section
 Town of Carefree



* Shoulder widths vary depending on street and environmental conditions

Existing Section

Conceptual Street Cross-Section
 Carefree Town Center Arterial Streets
 With New Bike Lanes & Sidewalks



* Shoulder widths vary depending on street and environmental conditions

Proposed Section

**Town of Cave Creek
 Bike Lane Project**



Existing Photos



Part D - Existing Photos





September 17, 2012

Maureen DeCindis
Transportation Planner III
Maricopa Association of Governments
302 N. First Ave., Suite 300
Phoenix, AZ 85003

RE: Bike lanes on both sides of Cave Creek Road
Carefree Highway to Pima Road
Cave Creek and Carefree

Dear Ms. DeCindis:

The submitted proposal for the 2012 TIP application has the full support of the Town of Cave Creek Council, **past, present and future**. Since the Town's incorporation in 1986, a major goal of the community has been to provide safe pedestrian and bicycle access to businesses and facilities throughout the Town. As Chairman of the Streetscape Committee many years ago, I will personally see that that goal is achieved.

If we are to provide safe passage for our residents and visitors through the communities of Cave Creek and Carefree, we must implement bike lanes without delay.

Thank you for your guidance and support of our efforts.

Sincerely,

A handwritten signature in black ink that reads "Vincent Francia". The signature is written in a cursive style with a large, stylized "V" and "F".

Vincent Francia



TOWN OF CAREFREE

8 Sundial Circle
P.O. Box 740
Carefree, Arizona 85377
Phone: (480) 488-3686 • Fax: (480) 488-3845

September 17, 2012

Maricopa Association of Governments
302 N. 1st Avenue
Suite 300
Phoenix, Arizona 85003

Re: CMAQ Funding Application for Bike Lanes Project

To Whom It May Concern:

Please accept this letter of my support for the Cave Creek - Carefree CMAQ Funding Application for the Bicycle Lanes Project located in both jurisdictions. The Town of Carefree has a strong interest in its implementation. The bike lanes will meet a growing demand for bike facilities and will be a valuable asset for Carefree and the region.

In the past several months, we have worked with the Town of Cave Creek and the Maricopa Association of Governments (MAG) to plan and execute our vision to enhance non-vehicular mobility of our local residents, businesses and visitors. Currently there is a gap in bike facilities along our arterial roads, and the proposed project is an important step in carrying out that vision. The bike lanes will provide a safer access between our Towns and between our neighborhoods and local destinations. Additionally, the proposed project has regional significance in that it will complete a loop of bike lanes on arterial streets connecting both Carefree and Cave Creek to neighboring Phoenix, Scottsdale and the Tonto National Forest.

Sincerely,

A handwritten signature in black ink, appearing to read "David Schwan", written in a cursive style.

David Schwan
Mayor
Town of Carefree



Planning, Neighborhood, & Transportation

7447 E. Indian School Rd.
Scottsdale, AZ 85251

September 13, 2012

Maureen DeCindis
Transportation Planner III
Maricopa Association of Governments
302 North First Avenue, Suite 300
Phoenix, AZ 85003

RE: CMAQ Funding Application

Dear Ms. DeCindis,

Please accept this letter of support for the Cave Creek-Carefree bicycle lane project connecting to bike facilities in Phoenix and Scottsdale. This project is an important link in the regional bikeway system and will provide three valuable connections to Scottsdale's on-street bicycle network.

Scottsdale already has bike lanes in place on Cave Creek Road east of Carefree and on Pima Road south of Stagecoach Path. Scottsdale Road south of Tom Darlington has paved shoulders. Phoenix has bike lanes on Cave Creek Road. Since both the existing Phoenix and Scottsdale networks extend south to Tempe, adding bike lanes on Cave Creek Road will provide a northern link that ties the communities of Carefree and Cave Creek into a significant regional system.

We look forward to seeing this project move forward.

Sincerely,

David Meinhart, AICP
Transportation Director
City of Scottsdale