



**Transportation Alternatives / CMAQ Application for
FY 2023 and FY 2024 Projects**

56TH St SIDEWALKS: MOCKINGBIRD LN TO DOUBLETREE RANCH RD

TOWN OF PARADISE VALLEY

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 16, 2019 at 10:00 a.m.**

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Paradise Valley: 56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

PART A - CONTACT AND PROJECT DESCRIPTION**Contact Information**

| | |
|--------------------------------------|---|
| 1. Name of Sponsoring Agency | Paradise Valley |
| 2. Agency Contact Name | Jason Harris |
| 3. Phone Number of Agency Contact | 480-348-3622 |
| 4. E-Mail Address of Agency Contact | jharris@paradisevalleyaz.gov |
| 5. Mailing Address of Agency Contact | Engineering / Public Works 6401 East Lincoln Drive Paradise Valley, Arizona 85253 |

Project Description

| | |
|---|--|
| 6. Please provide the Project Title. | 56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd |
| 7. Please provide a concise, specific description of the project (250 character limit): | Install 6' wide meandering colored concrete sidewalk along west side of 56th St and upgrade curb ramps and driveways to the existing sidewalk on the east side. This will provide pedestrians with a safer and more desirable transportation alternative to and from Cherokee Elementary School. |
| 8. Please provide the project limits: | East Mockingbird Lane to East Doubletree Ranch Road |

Paradise Valley : 56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

PART B-DETAILED 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 14-20, 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. Please select which funding source(s) this project is applying for. Check all that apply.

- Congestion Mitigation and Air Quality (CMAQ)
- Transportation Alternatives (TA)

2. What type of project is this? (Check all that apply)

- | | |
|--|---|
| <input 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 type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <input type="checkbox"/> Wide Sidewalk (8' min.) |
| <input type="checkbox"/> Buffered Bike Lane | <input checked="" type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input type="checkbox"/> Signalized Crossing |
| <input type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input checked="" type="checkbox"/> Sidewalk (5' min.) | <input type="text" value="Project will maximize the use of detached meandering sidewalk."/> |
| <input type="checkbox"/> Planning Study | |

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

- | | |
|--|----------------------|
| <input type="checkbox"/> Bridge (overpass) | Other: |
| <input type="checkbox"/> Tunnel (underpass) | <input type="text"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|---|
| <input type="checkbox"/> Number of Bike racks/lockers | <input type="checkbox"/> Number of Seating/Rest Area(s) |
| <input type="checkbox"/> Number of Drinking Fountains | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Way-finding Signs | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Trash receptacles | Other: |
| <input type="checkbox"/> Number of Trees | <input type="text" value="Landscape restoration will include trees and shrubs as needed."/> |
| <input type="checkbox"/> Number of new openings in street walls | |
| <input type="checkbox"/> Number of Shade Structures | |

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

This half mile segment of 56th Street is a north/south street and classified as a Collector roadway with one lane of traffic in each direction. The street provides access to Cherokee Elementary School, six accesses to neighborhoods, and provides a connection to bike lanes on Mockingbird lane and Doubletree Ranch Road. Pedestrians are limited to sidewalk access, which is non-ADA compliant, along the east side of the street. There is a midblock school crossing where pedestrians (School children) on the west side can only access by walking along the road in a landscaped area. The posted speed limit is 25 MPH.

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PART B-DETAILED PROJECT DESCRIPTION

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

Install 6' wide meandering colored concrete sidewalk along west side of 56th St and upgrade curb ramps and driveways to the existing sidewalk on the east side. This will provide pedestrians with a safer and more desirable transportation alternative to and from Cherokee Elementary School.

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

A continuous and safer sidewalk along the west side and an ADA compliant pedestrian sidewalk on the east side providing access to Cherokee Elementary School and adjacent neighborhoods. The sidewalk on the west side will provide a pedestrian connection from Mockingbird Lane and Doubletree Ranch Road along with providing an access over bridged water crossing just north of Mockingbird Lane.

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

- Medians with pedestrian crossing islands
- Roadway Reconfiguration (Road Diet)
- Striping/re-striping to narrow vehicle lanes
- Color pavement or similar treatment
- Lighting
- Landscape buffer between sidewalk and roadway
- Rectangular Rapid Flash Beacon (RRFB)
- Driver Feedback Sign

Other

Empty box for other safety improvements.

9. Does this project include a road safety education component?

- Yes
- No

Please Explain:

Empty box for explanation.

10. How does this project or planning study address safety?

This half mile segment will address pedestrian connectivity and safety concerns with a safe and level walking surface by eliminating pedestrian use of the landscaped areas and improvements to meet current ADA requirements. The work will bring this segment of roadway into compliance with the Town's General Implementation Plan.

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

The project will provide a new ADA accessible route along the west side of the road along with replacing ramps and retrofitting driveways along the east side to meet current ADA requirements. The project will improve ADA accessibility to the Cherokee Elementary School.

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

The project will provide a transportation alternative and safe pedestrian linkage to the school, sidewalk segments adjoining the project, and from the adjacent neighborhoods, in particular from the west side of the street.

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

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PART B-DETAILED PROJECT DESCRIPTION

It provides pedestrians with a sense of place in our multimodal society by providing a walkway not only to the school, but for the neighborhoods by providing a safe place to walk and enhanced connectivity.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Elimination of 0.3-mile gap of sidewalk.

Project connects to other local bikeways

List of connected bikeways:

Doubletree Ranch Rd and Mockingbird Ln

Multi Jurisdictional Project (please include letter of support (See Part C)

List of Participating Jurisdictions:

Total length of bikeways directly connected by this project (in miles)

15. 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.

Within 1/4 mile

16. Number of transit routes serviced by the transit stops in question 15 that this project will connect to. List associated route(s) and their peak frequency, using Valley Metro as the source.

Within 1/4 mile

List routes and frequency:

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

Within 1/4 mile

List:

18. Number of non-commercial activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

Within 1/4 mile

List:

19. 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:

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PART B-DETAILED PROJECT DESCRIPTION

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

1 Within 1/4 mile

List:

Cherokee Elementary School

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

0 Within 1/4 mile

List:

22 Number of activity centers for air quality cost effectiveness (i.e. bank, church, hospital, health care facility, light rail station, park-and-ride lot, office park, post office, public library, shopping area, grocery store, university or junior college):

0 Within 1/4 miles

List:

0 1/4 miles to 1/2 miles

List:

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

1,123 People Per Square Mile

9 % Families in Poverty

Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the left-hand side of the screen, under select "Reports", then select "Custom Geography". Next, click the "Corridor of Interest" button. Left-click to begin drawing. Draw a line through all census block groups 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 block groups will become highlighted in blue. A panel will appear with a report that summarizes the selected block groups. You may export the results to Excel (click the "Export to Excel" button) for your records

24. 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:

56th Street, Mockingbird Lane to Doubletree Ranch 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:

Not Classified

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

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PART B-DETAILED PROJECT DESCRIPTION

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

25. Please provide an estimated traffic volume (ADT) on the 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

26. 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.

27. Current ROW: (Check all that apply)

- Agency owns all ROW Needed
- ROW to be acquired
- Owners will donate ROW

- Agency owns easement
- Agency has right-of-use (i.e. canal)
- Condemnation may be required

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

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PART B-DETAILED PROJECT DESCRIPTION

29. Please indicate whether all parcels for this project have been inventoried.

Yes No

30. 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 type="text"/> | |
| <input checked="" type="checkbox"/> | Power Lines & Cables | | |
| <input checked="" type="checkbox"/> | Pipelines, Sewer and Water | | |

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

The construction will take place behind the curb in landscaped areas. Most of the utilities in this area run perpendicular to the street. Care will be taken to avoid the utilities by meandering the sidewalk around utility risers, transformers and water meter boxes. There may be minor conflicts and adjustments be required to match final grades.

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

| | | |
|-------------------------------------|---|--|
| <input type="checkbox"/> | AASHTO Guide for Bicycle Facilities | Other: <input type="text" value="Town of Paradise Valley General Plan, Uniform Standard Specifications and Details for Public Works Construction, 2019"/> |
| <input checked="" type="checkbox"/> | MAG Pedestrian Policies and Design Guidelines | |
| <input type="checkbox"/> | MAG Complete Streets Guide | |
| <input type="checkbox"/> | MAG Designing Transit Accessible Communities | |
| <input type="checkbox"/> | MAG Valley Path Brand & Wayfinding Signage Guidelines | |
| <input type="checkbox"/> | NACTO Urban Bikeway Design Guide | |
| <input type="checkbox"/> | RPTA Bus Stop Program and Standards | |

33. Jurisdiction has the following policies for improved bicycle/shared use facilities:

| | |
|--|--|
| With new development and capital improvement projects, bike lanes on arterial streets are: | <input type="text" value="Recommended"/> |
| With new development and capital improvement projects, bike lanes on collector streets are: | <input type="text" value="Recommended"/> |
| With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are: | <input type="text" value="Recommended"/> |
| With new development or during development retrofits, shared-use paths are: | <input type="text" value="Recommended"/> |
| Bicycle program implemented, including bike education, safety events, and bike maps | <input type="text" value="No"/> |
| Complete Streets Policy | <input type="text" value="No"/> |

34. The project is: (Check one)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
List:

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

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

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PART B-DETAILED PROJECT DESCRIPTION

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

The success of the project will be judged by the regular use after it is built. The Town will solicit feed back from stakeholders and homeowners in the area. We will reach out to those that participated in the pubic meetings and Cherokee Elementary School.

36. 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?

No.

37. 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.

As typical with all Town of Paradise Valley projects, the community will be involved in the design and implementation of this project using community meeting (public open houses, Council meetings). In addition, the town will market the project through social media sites it operates such as Facebook, Twitter, Town's website, message boards at Town Hall, and Police Department.

38. Will the project include wayfinding signage elements? If yes, please describe below.

No.

| Part C - Required Attachments |
|--|
| <p>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.</p> |
| <p><u>PLEASE INCLUDE EACH ATTACHMENT AS A SEPARATE .JPEG OR .PDF FILE ON YOUR APPLICATION CD.</u></p> |
| <p>Please insert ALL attachments at the end of your printed application, in the order they are listed below. See below for alternate submission requirements for GIS coverage files.</p> |
| Required Attachments: |
| <p>1) Please attach a map showing the general location of the proposed project in relation to the region, including a north arrow.</p> |
| <p>2) Please attach a map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow.</p> |
| <p>3) Please attach up to four photos indicating existing conditions in the project area (two 4x6 photos per page).</p> |
| <p>4) Please attach a simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel.</p> |
| OPTIONAL Attachments: |
| <p>(OPTIONAL) Attach up to two photos showing what the completed project will look like, if available (these can be photoshop, renderings, etc.).</p> |
| <p>(OPTIONAL) Attach up to three (3) letters of support for the project.</p> |
| <p>(OPTIONAL) If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions"</p> |

Paradise Valley : 56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

PART D - PROJECT COST ESTIMATE WORKSHEET
(Cost Estimates Are Required Regardless of Programming)

| PROCUREMENT | REQUESTED PROGRAMMING | Location Description | 56th St - Mockingbird Ln to Doubletree Ranch Rd | | | | | | |
|---|---|----------------------|---|--------|--|--------|-----|---|--------|
| | | Work Description | Construct 6' colored meandering concrete sidewalk | | | | | | |
| COST ESTIMATE FOR PROCUREMENT | Funding Source | CMAQ | | | | | | | |
| | Preferred Year to Program Work | 2023 | | | | | | | |
| PROCUREMENT/STUDY COSTS | Place for entering item #1 | EA | 1 | | | - | Yes | - | - |
| | Place for entering item #2 | EA | 1 | | | - | Yes | - | - |
| | Place for entering item #3 | EA | 1 | | | - | Yes | - | - |
| TOTAL - PROCUREMENT | | | | | | - | | - | - |
| DESIGN | REQUESTED PROGRAMMING (Complete if Item will be programmed in the MAG TIP) | Location Description | 56th St - Mockingbird Ln to Doubletree Ranch Rd | | | | | | |
| | | Work Description | Construct 6' colored meandering concrete sidewalk | | | | | | |
| COST ESTIMATE FOR DESIGN | Funding Source | Local | | | | | | | |
| | Preferred Year to Program Work | 2021 | | | | | | | |
| PRELIMINARY ENGINEERING (15% plans) (Required for Budget) | Topographic Survey | LS | 1 | 7,500 | | 7,500 | No | - | 7,500 |
| | Project Assessment | LS | 1 | 8,000 | | 8,000 | No | - | 8,000 |
| FINAL DESIGN (30, 60, 95, 100% plans) (Required for Budget) | Federal Project Environmental Determination | LS | 1 | 1,000 | | 1,000 | No | - | 1,000 |
| | HAZMAT Assessment | LS | 1 | | | - | No | - | - |
| SUBTOTAL - PRELIMINARY ENGINEERING COSTS | | | | | | 16,500 | | - | 16,500 |
| RIGHT OF WAY COST (Required for Budget, May be 0 if no ROW) | Plans, Specifications, Cost Estimates, Bidding | LS | 1 | 40,000 | | 40,000 | No | - | 40,000 |
| | Geotechnical Report | LS | 1 | | | - | No | - | - |
| TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING | Drainage Report | LS | 1 | | | - | No | - | - |
| | SWPPP | LS | 1 | 5,000 | | 5,000 | No | - | 5,000 |
| SUBTOTAL - FINAL DESIGN COSTS | | | | | | 45,000 | | - | 45,000 |
| TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING | | | | | | 61,500 | | - | 61,500 |

| | | | | | | | | | | | | | | |
|---|---|---|---|--|--|---------------|-----------------|------------------|----------------|-------------------------|----------------|---------------|--------|-------|
| | Other Right of Way Expenses | EA | 1 | | | - | No | - | - | | | | | |
| | Other Right of Way Expenses | EA | 1 | | | - | No | - | - | | | | | |
| TOTAL – RIGHT OF WAY COSTS | | | | | | 13,000 | | - | 13,000 | | | | | |
| CONSTRUCTION | REQUESTED PROGRAMMING (Complete only if Construction will be programmed in the MAG TIP) | Location Description: 56th St - Mockingbird Ln to Doubletree Ranch Rd | | | | | | | | | | | | |
| | | Work Description: Construct 6' colored meandering concrete sidewalk | | | | | | | | | | | | |
| | | Funding Source: CMAQ | | | | | | | | | | | | |
| | | Preferred Year to Program Work: 2023 | | | | | | | | | | | | |
| COST ESTIMATE FOR CONSTRUCTION | | | | | | UNITS | QUANTITY | UNIT COST | TOTAL | USES FEDERAL AID | FEDERAL | LOCAL | | |
| UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities) The cost of utility relocation for the transportation project are eligible for federal aid if the costs/activities involved are directly related to the transportation project. Generally, burying overhead utilities is cost prohibitive. | Relocate 69 kv (+) Poles | | | | | | EA | | | - | No | - | - | |
| | Relocate/Underground 12 kv lines | | | | | | LF | | | - | No | - | - | |
| | Relocate/Underground Irrigation Canal | | | | | | LF | | | - | No | - | - | |
| | SWG Relocations | | | | | | LS | | | - | No | - | - | |
| | Telephone/Cable TV Relocations | | | | | | LS | | | - | No | - | - | |
| | Upgrade Railroad Crossings | | | | | | LS | | | - | No | - | - | |
| | Other Utilities | | | | | | LS | | | - | No | - | - | |
| | Other Utilities | | | | | | LS | | | - | No | - | - | |
| | SUBTOTAL – UTILITY RELOCATION COSTS | | | | | | | | | - | | - | - | |
| 1. Hardscape Construction | Installation Of SWPP Measures | | | | | | LS | 1 | 10,000 | 10,000 | Yes | 9,430 | 570 | |
| | Site Preparation | | | | | | LS | 1 | 20,000 | 20,000 | Yes | 18,860 | 1,140 | |
| | Demolition | Sawcut | | | | | | LS | 1 | 1,500 | 1,500 | Yes | 1,415 | 86 |
| | | Remove Structures and Obstructions | | | | | | LS | 1 | 5,000 | 5,000 | Yes | 4,715 | 285 |
| | | Remove Fencing | | | | | | LS | | | - | Yes | - | - |
| | | Remove Structural Concrete | | | | | | LF | | | - | Yes | - | - |
| | | Remove Asphaltic Concrete Pavement | | | | | | SY | 787 | 20 | 15,740 | Yes | 14,843 | 897 |
| | | Remove Concrete Sidewalks, Slabs | | | | | | SF | 500 | 5 | 2,500 | Yes | 2,358 | 143 |
| | Hazmat Abatement | | | | | | SF | | | - | Yes | - | - | |
| | Retaining Wall - Reinforced Concrete Cantilevered | | | | | | LS | | | - | Yes | - | - | |
| | Earthwork | General Excavation | | | | | | LS | 1 | 20,833 | 20,833 | Yes | 19,646 | 1,187 |
| | | Drainage Excavation | | | | | | LS | | | - | Yes | - | - |
| | | Structural Excavation | | | | | | SY | | | - | Yes | - | - |
| | | Structural Backfill | | | | | | SY | | | - | Yes | - | - |
| | | Borrow (In Place) | | | | | | SY | | | - | Yes | - | - |
| | Curb & Gutter | | | | | | LF | 725 | 40 | 29,000 | Yes | 27,347 | 1,653 | |
| | Aggregate Base | | | | | | SY | | | - | Yes | - | - | |
| | Pathway Or Sidewalk Materials | Concrete | | | | | | SF | | | - | Yes | - | - |
| | | Colored Concrete | | | | | | SF | 8,682 | 8 | 69,456 | Yes | 65,497 | 3,959 |
| | | Stamped Color Concrete | | | | | | SF | | | - | Yes | - | - |
| | | Precast Concrete Pavers | | | | | | SF | | | - | Yes | - | - |
| | | Asphaltic Concrete | | | | | | SF | 7,090 | 6 | 42,540 | Yes | 40,115 | 2,425 |
| | | Polymer or Resin Stabilized Surface | | | | | | SF | | | - | Yes | - | - |
| Crosswalk Enhancement | Concrete Pavers | | | | | | EA | | | - | Yes | - | - | |
| | Stamped Asphalt | | | | | | EA | | | - | Yes | - | - | |
| | Stamped Concrete | | | | | | EA | | | - | Yes | - | - | |
| | Concrete | | | | | | LF | | | - | Yes | - | - | |
| | Integral Color Concrete | | | | | | LF | | | - | Yes | - | - | |
| Pedestrian ADA Ramp | | | | | | EA | 19 | 2,500 | 47,500 | Yes | 44,793 | 2,708 | | |
| Culvert Extensions | | | | | | LF | | | - | Yes | - | - | | |
| Pedestrian Lighting Including Conduit And Trenching | | | | | | SF | | | - | Yes | - | - | | |
| Handrail | Standard | | | | | | EA | | | - | Yes | - | - | |
| | Decorative | | | | | | LF | | | - | Yes | - | - | |
| SUBTOTAL HARDSCAPE CONSTRUCTION | | | | | | | | | 264,069 | | 249,017 | 15,052 | | |
| Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements | | | | | | EA | 4 | 800 | 3,200 | Yes | 3,018 | 182 | | |
| Trees (15 Gallon Size) | | | | | | EA | | | - | Yes | - | - | | |
| Trees (5 Gallon Size) | | | | | | LS | | | - | Yes | - | - | | |

| | | | | | | | | | |
|---|---|--------------------|-------|--------|----------------|--------|----------------|---------------|-------|
| 2. Landscaping & Irrigation Items | Shrubs (5 Gallon Size) | EA | 20 | 20 | 400 | Yes | 377 | 23 | |
| | Shrubs (1 Gallon Size) | EA | | | - | Yes | - | - | |
| | Cactus (5 Gallon Size) | LF | | | - | Yes | - | - | |
| | Mulch | Decomposed Granite | LS | 1 | 33,000 | 33,000 | Yes | 31,119 | 1,881 |
| | | Organic | EA | | | - | Yes | - | - |
| | Topsoil | EA | | | - | Yes | - | - | |
| | Seeding | EA | | | - | Yes | - | - | |
| | Turf Sod | EA | | | - | Yes | - | - | |
| | Boulders | LF | | | - | Yes | - | - | |
| | Irrigation System | Drip | LF | | | - | Yes | - | - |
| | | Turf | LF | | | - | Yes | - | - |
| | Sleeving For Irrigation System | Directional Bore | LF | | | - | Yes | - | - |
| | | Cut and Patch | LF | | | - | Yes | - | - |
| | Landscape Header Curb | LF | | | - | Yes | - | - | |
| | Landscape Establishment | LF | | | - | Yes | - | - | |
| SUBTOTAL LANDSCAPING & IRRIGATION ITEMS | | | | | 36,600 | | 34,514 | 2,086 | |
| 3. Site Furnishings | Benches | LF | | | - | Yes | - | - | |
| | Seatwalls | EA | | | - | Yes | - | - | |
| | Bike Racks | EA | | | - | Yes | - | - | |
| | Trash Receptacles | EA | | | - | Yes | - | - | |
| | Drinking Fountains | EA | | | - | Yes | - | - | |
| | Signage (Standard Traffic Control) | EA | | | - | Yes | - | - | |
| | Signage (Wayfinding) | EA | | | - | Yes | - | - | |
| | Tree Grates | SY | | | - | Yes | - | - | |
| SUBTOTAL SITE FURNISHINGS | | | | | - | | - | - | |
| 4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. | Valley Gutter | SF | 2,250 | 30 | 67,500 | Yes | 63,653 | 3,848 | |
| | Sign Relocations | LS | 1 | 2,290 | 2,290 | Yes | 2,159 | 131 | |
| | Drainage scupper under sidewalk | EA | 2 | 4,000 | 8,000 | Yes | 7,544 | 456 | |
| | Irrigation System Repair and Relocation | LS | 1 | 10,000 | 10,000 | Yes | 9,430 | 570 | |
| | | LS | | | - | Yes | - | - | |
| | | EA | | | - | Yes | - | - | |
| | | LF | | | - | Yes | - | - | |
| | | LS | | | - | Yes | - | - | |
| | | EA | | | - | Yes | - | - | |
| | | | | | - | Yes | - | - | |
| SUBTOTAL OTHER CONSTRUCTION ITEMS | | | | | 87,790 | | 82,786 | 5,004 | |
| TOTAL CONSTRUCTION COST | | | | | 388,459 | | 366,317 | 22,142 | |

| | | | | | | | | | |
|--|---|---|--------------------|-------------|-------------------|---------------|-------------------------|----------------|--------------|
| | MOBILIZATION AND ADMINISTRATION COSTS | CONTRACTOR MOBILIZATION (Typically 8% of construction cost) | | | 10% | 38,846 | Yes | 36,632 | 2,214 |
| | | TRAFFIC CONTROL (0-8% of construction cost) | | | 5% | 19,423 | Yes | 18,316 | 1,107 |
| | | CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost) | | | 10% | 38,846 | Yes | 36,632 | 2,214 |
| | | CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost) | | | 18% | 69,923 | Yes | 65,937 | 3,986 |
| SUBTOTAL – MOBILIZATION & ADMINISTRATION COSTS | | | | | 167,037 | | 157,516 | 9,521 | |
| TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING | | | | | 555,496 | | 523,833 | 31,663 | |
| ADOT REVIEW FEE | Please enter 'Yes' if your agency is certified accepted by ADOT for construction | | No | | | | | | |
| | ADOT Review Fee | | Agency Type | RATE | HOURS | TOTAL | USES FEDERAL AID | FEDERAL | LOCAL |
| | Contracts and Specs \ Advertise Project | | Non CA | 55 | 100 | \$ 5,500 | No | - | 5,500 |
| | District \ Review Stage Submittals | | Non CA | 50 | 40 | \$ 2,000 | No | - | 2,000 |
| | Environmental Planning \ Issue Clearance | | All | 50 | 40 | \$ 2,000 | No | - | 2,000 |
| | Right of Way \ Issue Clearance | | Non CA | 55 | 24 | \$ 1,320 | No | - | 1,320 |
| | Compliance Review \ Compliance Review | | Non CA | 175 | 40 | \$ 7,000 | No | - | 7,000 |
| | Project Management Group \ Project Management | | Non CA | 120 | 100 | \$ 12,000 | No | - | 12,000 |
| | Project Management Group \ Project Management | | CA Only | 120 | 60 | \$ - | No | - | - |
| | Utilities and Railroad Sections \ Issue Clearance | | Non CA | 50 | 24 | \$ 1,200 | No | - | 1,200 |
| | | | | | \$ 31,020 | | - | 31,020 | |
| TOTAL COST ESTIMATE | | | | | \$ 661,016 | | 523,833 | 137,183 | |

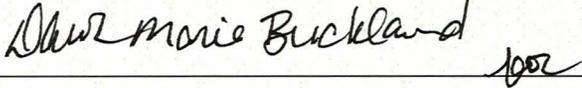
Paradise Valley : 56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

PART E - Budget and Signature Page

| Phase | Location Description | Work Description | Year to be Programmed | Funding Source | Federal Amount | Local Amount | Total | Local Share |
|-----------------------------------|---|---|-----------------------|----------------|----------------|--------------|------------|-------------|
| Design, excludes ADOT review fees | 56th St - Mockingbird Ln to Doubletree Ranch Rd | Construct 6' colored meandering concrete sidewalk | 2021 | Local | \$ - | \$ 61,500 | \$ 61,500 | 100.0% |
| Right-of-Way | 56th St - Mockingbird Ln to Doubletree Ranch Rd | Construct 6' colored meandering concrete sidewalk | 2021 | Local | \$ - | \$ 13,000 | \$ 13,000 | 100.0% |
| Construction | 56th St - Mockingbird Ln to Doubletree Ranch Rd | Construct 6' colored meandering concrete sidewalk | 2023 | CMAQ | \$ 523,833 | \$ 31,663 | \$ 555,496 | 5.7% |
| Total Programmed | | | | | \$ 523,833 | \$ 106,163 | \$ 629,996 | 16.9% |
| ADOT Design Review Fee | | | | | \$ - | \$ 31,020 | \$ 31,020 | 100.0% |
| Total Cost | | | | | \$ 523,833 | \$ 137,183 | \$ 661,016 | 20.8% |

Signature: To be signed with printed hard copy that is sent to MAG

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

Signature: 

Name: Jill Keimach

Title: Town Manager

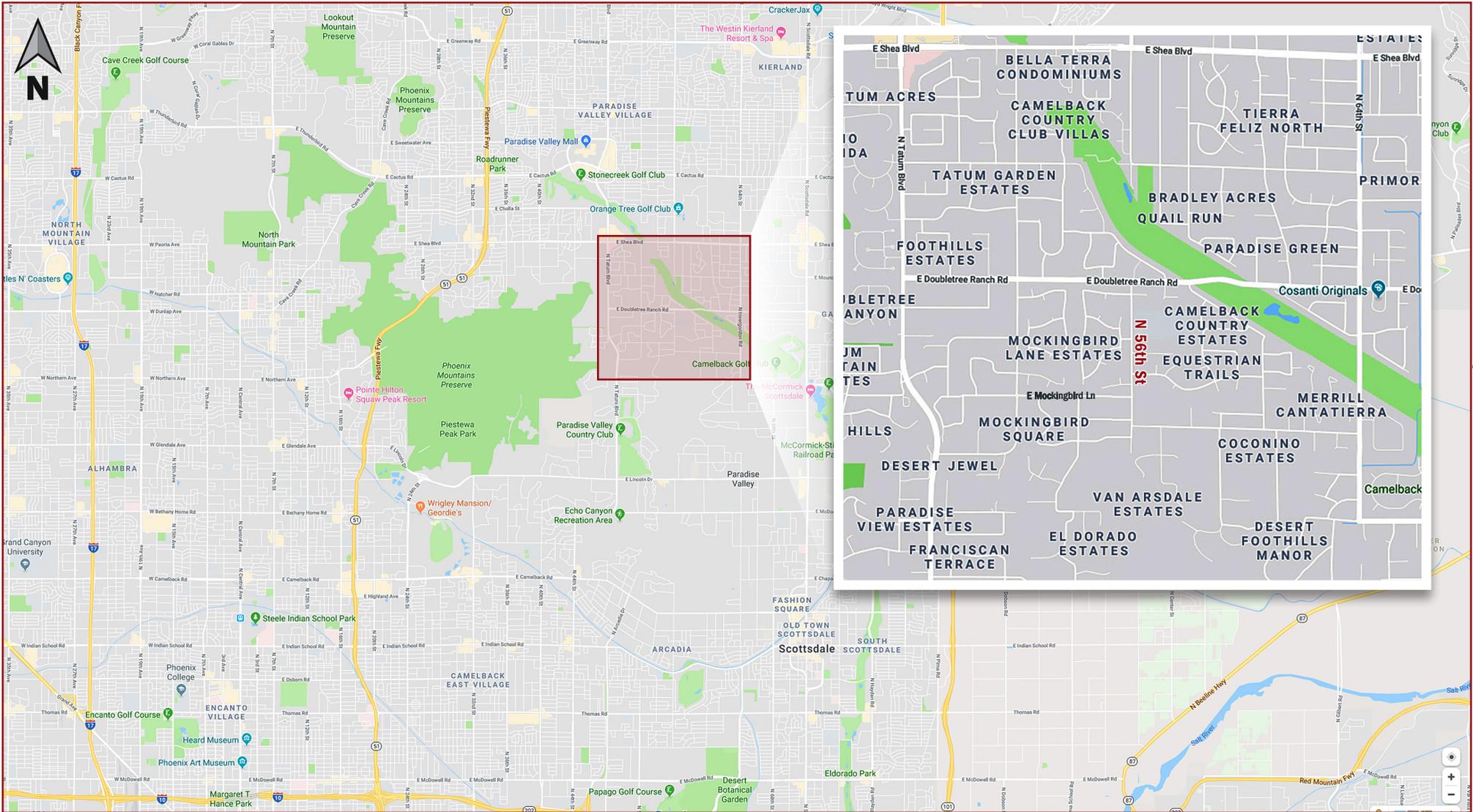
Date: September 13, 2019

Part F - Checklist

This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

| Part F - Checklist | | Complete? |
|---|--------------------------------------|------------------|
| 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 |
| PART B - Project Description | | Complete? |
| Fields 1 - 14 (Project Description) are complete | | Yes |
| Fields 15 - 17 (Transit) are complete | | Yes |
| Fields 18 – 22 (Attractors and Demographics) are complete | | Yes |
| Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete | | Yes |
| Fields 31 – 33 (Guidelines, Policies, and Plans) are complete | | Yes |
| Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete | | Yes |
| PART C - Required Attachments | | Complete? |
| Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application. | | Yes |
| Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application. | | Yes |
| Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page). | | Yes |
| Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application. | | Yes |
| (OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application. | | No |
| (OPTIONAL) - Up to three (3) letters of support for the project 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. | | No |
| PART D - Cost Estimate Worksheet | | Complete? |
| PROCUREMENT (Not applicable for construction projects) | REQUESTED PROGRAMMING (Rows 4-7) | Complete? |
| | Location Description | Yes |
| | Work Description | Yes |
| | Funding Source | Yes |
| | Preferred Year to Program Work | Yes |
| | PROCUREMENT/STUDY COSTS (Rows 9-29) | Yes |
| DESIGN (Applicable for all construction projects; not applicable for procurement projects) | REQUESTED PROGRAMMING (Rows 30-33) | Complete? |
| | Location Description | Yes |
| | Work Description | Yes |
| | Funding Source | Yes |
| | Preferred Year to Program Work | Yes |
| | PRELIMINARY ENGINEERING (Rows 35-38) | Yes |
| | FINAL DESIGN (Rows 40-43) | Yes |
| RIGHT OF WAY (Applicable only if ROW is to be acquired) | REQUESTED PROGRAMMING (Rows 46-49) | Complete? |
| | Location Description | Yes |
| | Work Description | Yes |
| | Funding Source | Yes |
| | Preferred Year to Program Work | Yes |
| | RIGHT OF WAY COST (Rows 51-63) | Yes |

| Part F - Checklist | | |
|--|---|------------------|
| CONSTRUCTION (Applicable for all construction projects; not applicable for procurement projects) | REQUESTED PROGRAMMING (Rows 55-58) | Complete? |
| | Location Description | Yes |
| | Work Description | Yes |
| | Funding Source | Yes |
| | Preferred Year to Program Work | Yes |
| | UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities) (Rows 90-97) | Yes |
| | CONSTRUCTION COST | Complete? |
| | 1. Hardscape Construction (rows 99-131) | Yes |
| | 2. Landscaping & Irrigation Items (Rows 133-150) | Yes |
| | 3. Site Furnishings (Rows 152-159) | Yes |
| | 4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects.(Rows 161-170) | Yes |
| | MOBILIZATION AND ADMINISTRATION COSTS (Rows 173-176) | Yes |
| | ADOT REVIEW FEE | Yes |
| Please enter 'Yes' if your agency is certified accepted by ADOT for construction (Cell E179) | | Yes |
| PART E - Budget and Signature Page | | Complete? |
| Name, title and date fields under the signature are completed. | | Yes |
| PART F - Signature and Checklist | | Complete? |
| Entire checklist is completed. | | Yes |

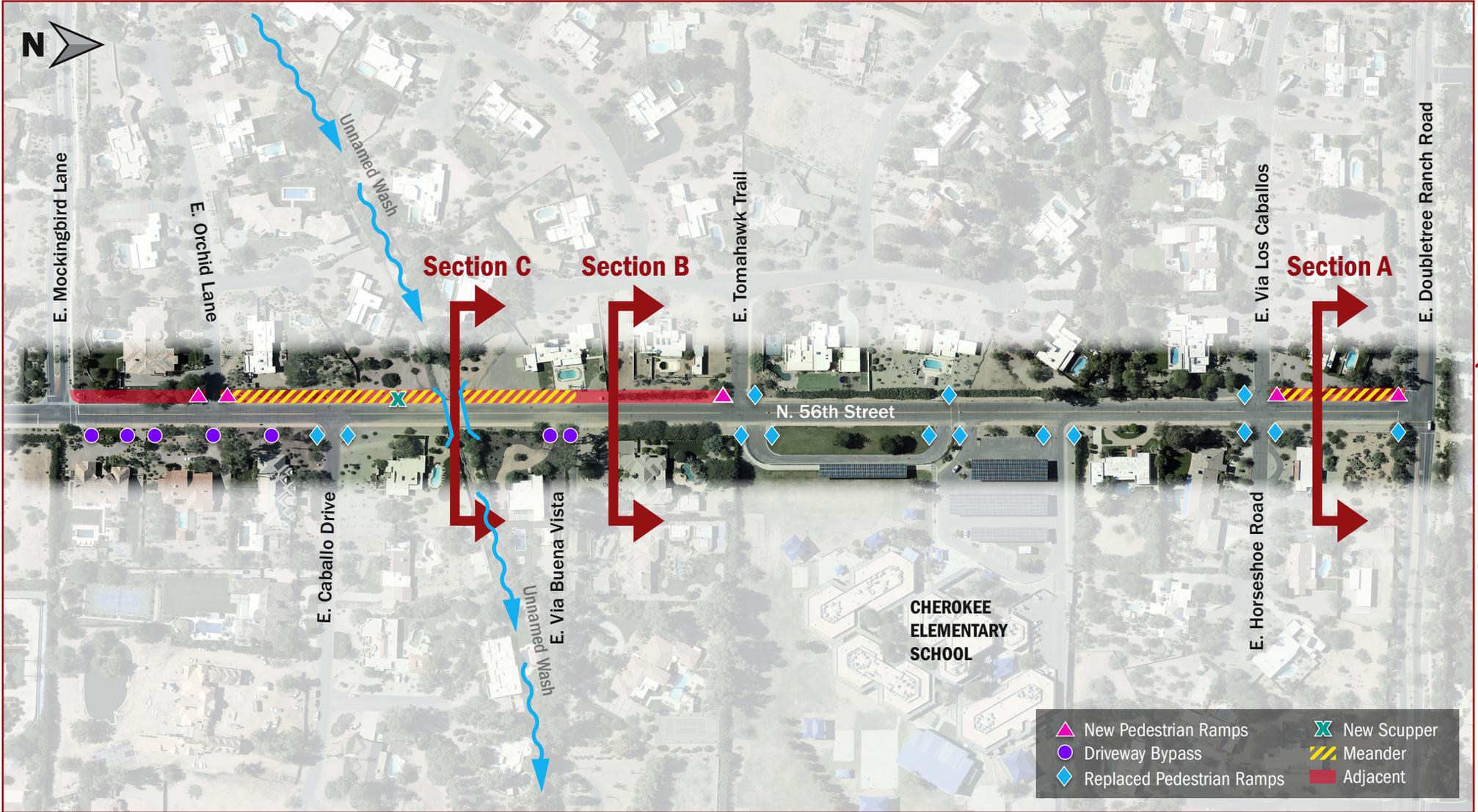


PART C - REQUIRED ATTACHMENTS



Vicinity/Location Map Exhibit
56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd
Town of Paradise Valley, Arizona





PART C - REQUIRED ATTACHMENTS



Project Map Exhibit
56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd
Town of Paradise Valley, Arizona



PART C - REQUIRED ATTACHMENTS



56th St looking north at Caballo Drive – replace existing pedestrian ramps.



East side of 56th St looking south – retrofit pedestrian bypass at back of driveway apron.



**Photographs for:
56th St Sidewalks: Mockingbird Ln to
Doubletree Ranch Rd, Town of Paradise Valley, AZ**

PART C - REQUIRED ATTACHMENTS



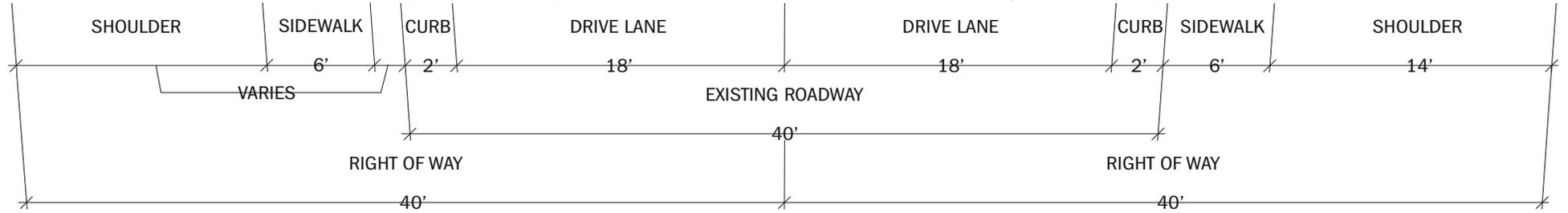
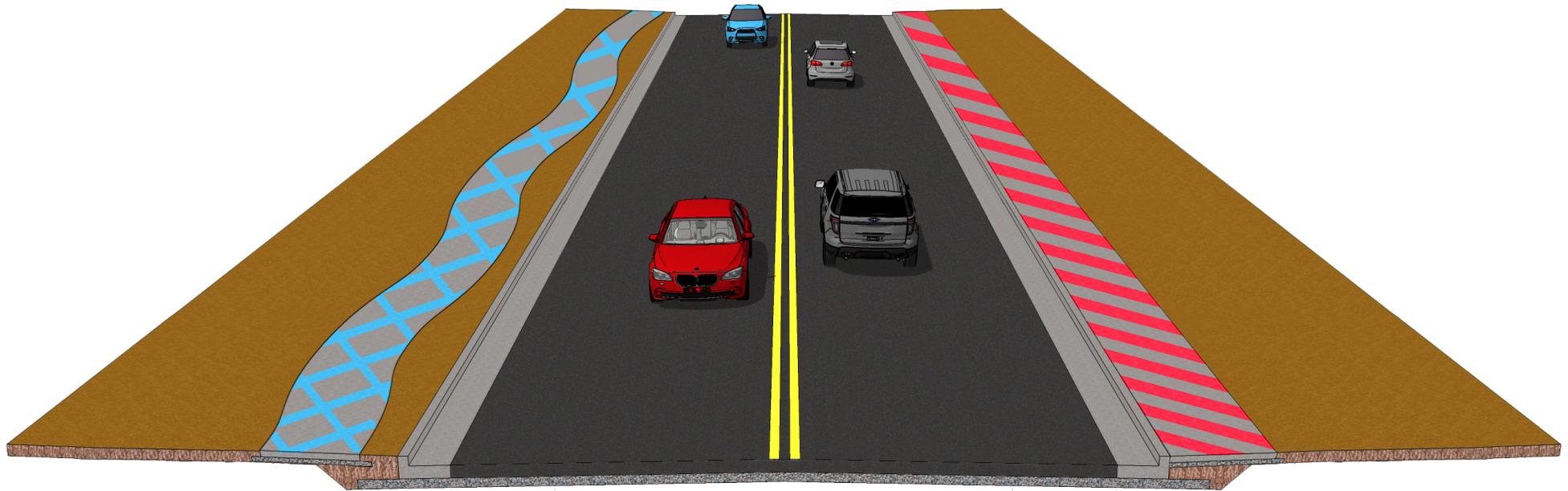
56th St looking south at Orchid Lane – add sidewalk, pedestrian ramps, and adjust utilities.



Cherokee Elementary School – replace pedestrian ramps and add crosswalk markings.



**Photographs for:
56th St Sidewalks: Mockingbird Ln to
Doubletree Ranch Rd, Town of Paradise Valley, AZ**

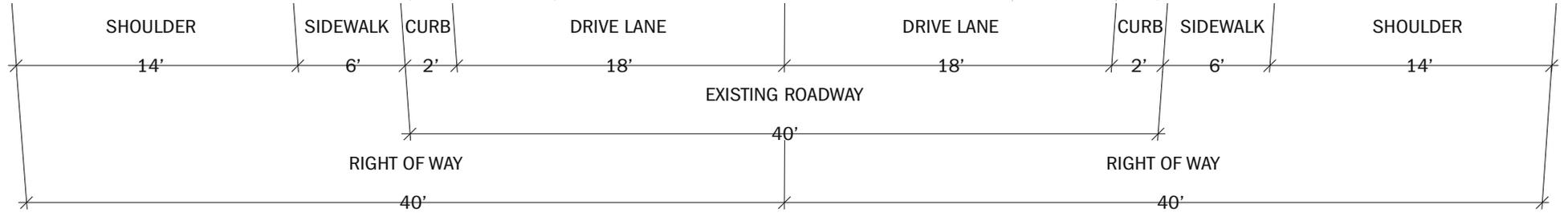
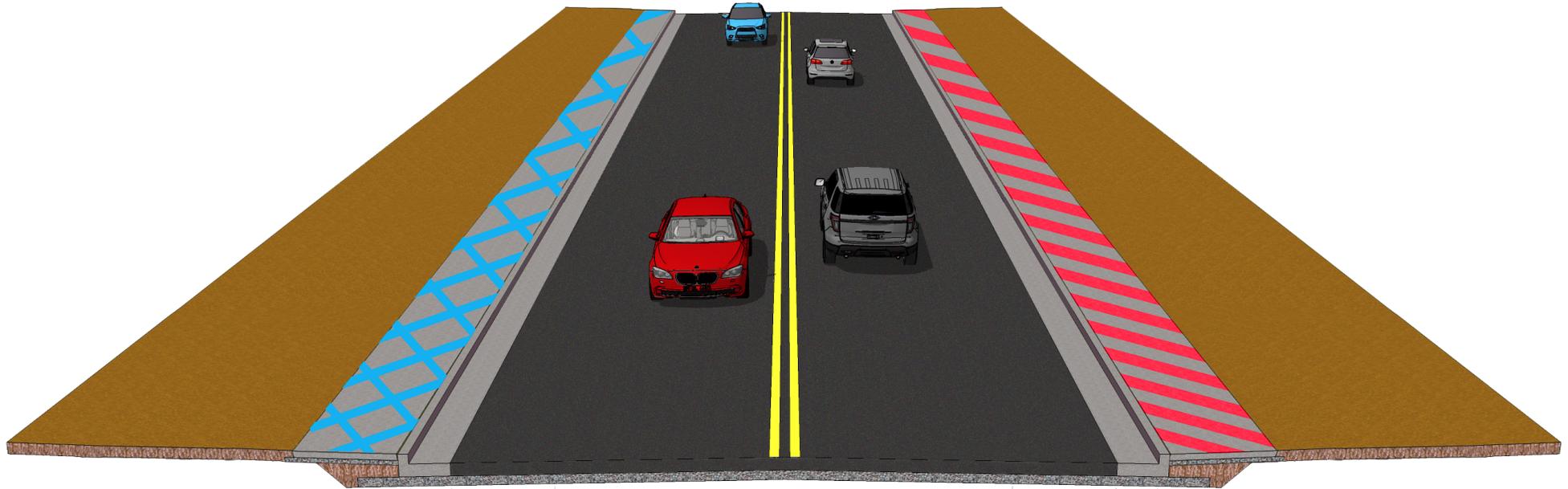


Section A-A | Existing/Proposed

56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

Town of Paradise Valley, Arizona



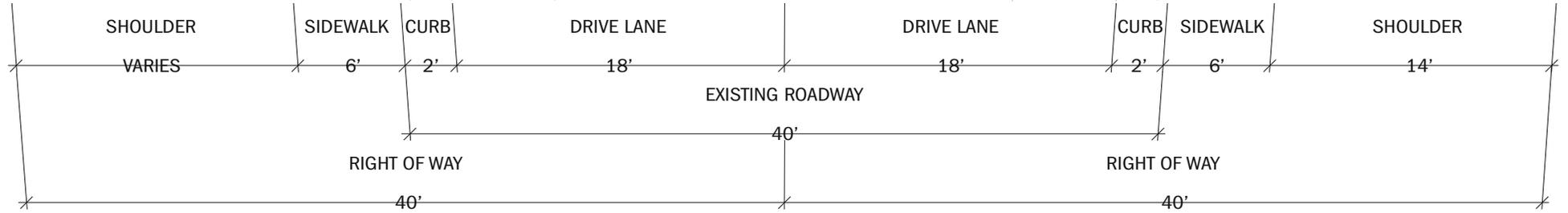
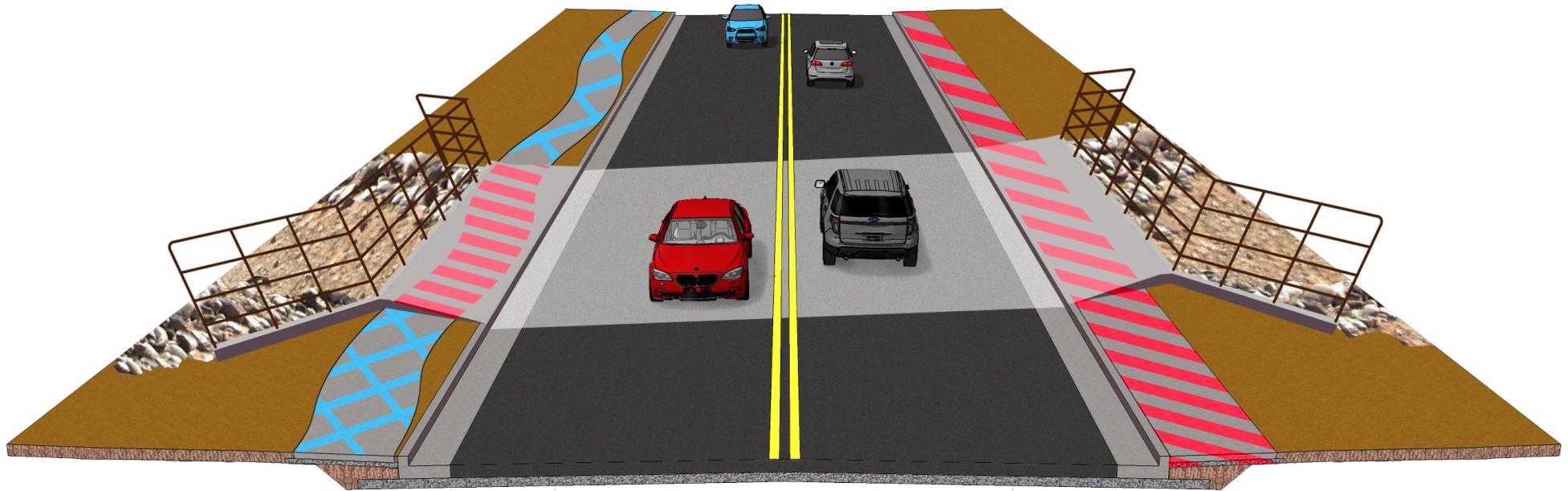


Section B-B | Existing/Proposed

56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

Town of Paradise Valley, Arizona





Section C-C | Existing/Proposed

56th St Sidewalks: Mockingbird Ln to Doubletree Ranch Rd

Town of Paradise Valley, Arizona





TOWN OF PARADISE VALLEY
6401 E. Lincoln Dr.
Paradise Valley, AZ 85253
480.948.7411

September 13, 2019

Maricopa Association of Governments
Attn: Jason Stephens
302 N 1st Ave, Ste 300
Phoenix, AZ 85003

RE: CMAQ/TA Project Letter of Support

Dear Mr. Stephens,

I am writing you in support of the Town of Paradise Valley's application for CMAQ/TA funding for the enclosed sidewalk project programmed in the Town's FY20-24 Capital Improvement Program.

56th St, south of Doubletree Ranch Rd, is heavily travelled by families taking their children to Cherokee Elementary School. The school approached the Town in coordinating the timing of the Town's sidewalk project with their onsite renovations. The Town has listened to our residents and has programmed the sidewalk project to make bicycling and walking safer in our community.

This project would provide a new sidewalk on 56th St from Doubletree Ranch Rd to Mockingbird Ln and once complete, allow pedestrians to properly travel on the right side of the road with traffic. This project will greatly benefit the school, families, and overall, our community.

The Town is committed to installing a new sidewalk on 56th St from Doubletree Ranch Rd to Mockingbird Ln pending favorable award of grant application.

On behalf of the Town, we appreciate your evaluation committee's time and consideration.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jerry Bien-Willner", is written over the printed name and title. The signature is fluid and extends across the line.

Jerry Bien-Willner
Mayor

Enclosure(s):
CIP Project Sheet, 1 page

Capital Improvement Plan
Town of Paradise Valley, Arizona

2020 *thru* 2024

Department Streets 30-40-968
Contact Jason Harris
Type Improvement
Useful Life
Category Streets

Project # 2018-06
Project Name 56th St Sidewalks: Mockingbird to Doubletree Ranch

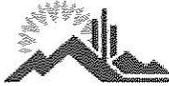
Description
 Location: 56th St: Mockingbird Ln to Doubletree Ranch Rd
 Complete approximately 1,200 LF of sidewalk connection along west side of 56th St. An existing sidewalk is located on the east side of 56th St.

Justification
 General Plan Implementation Measures: 4.5-1.6 / 4.5-1.7
 This project would complete the sidewalk on the west side and is necessary due to the amount of foot traffic due to nearby Cherokee Elementary School.

| Expenditures | 2020 | 2021 | 2022 | 2023 | 2024 | Total |
|---------------------|-------------|---------------|----------------|-------------|-------------|----------------|
| Planning/Design | | 50,000 | | | | 50,000 |
| Construction | | | 300,000 | | | 300,000 |
| Total | | 50,000 | 300,000 | | | 350,000 |

| Funding Sources | 2020 | 2021 | 2022 | 2023 | 2024 | Total |
|-------------------------|-------------|---------------|----------------|-------------|-------------|----------------|
| Town of Paradise Valley | | 50,000 | 300,000 | | | 350,000 |
| Total | | 50,000 | 300,000 | | | 350,000 |

Budget Impact/Other
 Public works maintenance costs will increase due to additional sidewalks.



Cherokee Elementary School
8801 N. 56th St.
Paradise Valley, AZ 85253

Telephone: 480-484-8710

Web site: www.susd.org

September 13, 2019

Maricopa Association of Governments
Attn: Jason Stephens
302 N 1st Ave, Ste 300
Phoenix, AZ 85003

RE: CMAQ/TA Project Letter of Support

Dear Mr. Stephens,

I am writing you in support of the Town of Paradise Valley's application for CMAQ/TA funding for the enclosed sidewalk project programmed in the Town's FY20-24 Capital Improvement Program. The Town has listened to our community and has programmed the project to make bicycling and walking to our school safer for our students and employees. When we learned of the potential to receive federal funding to offset the Town's construction costs, we were eager to lend our support for the project.

Our school was built in 1974 and is currently undergoing renovations in order to meet established desires of the Scottsdale Unified School District. We currently serve 780 students in our K-5 school. We have a strong community and parental support for education which is why the district voted favorably to rebuild our school. The Town's Police Chief Peter Wingert is on our Visioning Committee and is engaged in our redevelopment. We approached the Town to consider placing sidewalk on 56th St to align with the timing of our capital improvements. Our school is situated in the middle of the Town's project and our community would greatly benefit from being able to utilize both sides of 56th Street for walking or bicycling to and from our campus. If this project receives CMAQ/TA funding, the Town has committed to installing a new sidewalk.

We are very grateful for the Town's support and we would greatly appreciate your evaluation committee's consideration of the Town's grant application for this project.

Sincerely,

Walter Chantler, Principal
Cherokee Elementary