

Transportation Alternatives (TA) / CMAQ Application For FY 2018, 2019, 2020 Projects



Due: September 21, 2015 at 10:00 a.m.

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

TA Amount Available: \$4,000,000/year (\$12,000,000 total)

CMAQ Amount Available: \$8,000,000/year (\$24,000,000 total)



INSTRUCTIONS AND SCHEDULE

**The due date and time for project applications to be submitted to MAG is
Monday, September 21, 2015 at 10:00 a.m.**

General Instructions

This Excel form is to be used to request federal Transportation Alternatives (TA) and CMAQ funding available through the Maricopa Association of Governments (MAG) for projects to be included in the FY2014-FY 2018 MAG Transportation Improvement Program. Funding is available for Federal Fiscal Year (FFY) 2018, 2019, and 2020.

This application form includes:

- Instructions and Schedule
- Cover Sheet
- Part A - Contact and Project Description
- Part B - Detailed Project Description
- Part C - Required and Optional Attachments
- Part D - Cost Estimate Spreadsheet
- Part E - Total Project Budget and Schedule
- Part F - Checklist and Signature Page
- GIS Submittal Instructions
- ADOT Fee Sheet
- Transportation Alternatives Program and Map
- Congestion Mitigation Air Quality Program and Map

Each part is a separate tab of this excel file. Please complete the Cover Sheet and Parts A - F. Alternative application forms are available upon request.

Transmittal Instructions

LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17

MAG Mailing Address

Electronic applications should be sent to the following address:

[mailto: MAG Staff](mailto:MAG Staff)

Printed copies should be addressed as follows:

Maricopa Association of Governments
ATTN: Teri Kennedy,

302 N. 1st Avenue, Suite #300,
Phoenix, AZ 85003.

If a complete, signed electronic copy is received by the submittal deadline, applicants have five working days to submit a printed copy of the application.

Late and/or incomplete applications will not be accepted.

INSTRUCTIONS AND SCHEDULE

The due date and time for project applications to be submitted to MAG is
Monday, September 21, 2015 at 10:00 a.m.

Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Workshop/Open Working Group
Wednesday, August 19, 2015	10:00-11:30 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 24, 2015	8:30-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Monday, September 14, 2015	9:00-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications

* All meetings will be held on the 2nd Floor of the MAG Offices at 302 North 1st Ave, Phoenix, Arizona 85003

MAG CONTACT INFORMATION

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Alex Oreschak	602-254-6300	AOreschak@azmag.gov
Teri Kennedy	602-254-6300	TKennedy@azmag.gov
Stephen Tate	602-452-5010	STate@azmag.gov



Transportation Alternatives / CMAQ Application for
FY 2018, 2019, and 2020 Projects

LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17

TOWN OF PARADISE VALLEY

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 21, 2015 at 10:00 a.m.**

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

Paradise Valley: Lincoln Drive Sidewalk Expansion

PART A - CONTACT AND PROJECT DESCRIPTION	
Contact Information	
1. Name of Sponsoring Agency	Paradise Valley
LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17	Jeremy Knapp
3. Phone Number of Agency Contact	480-348-3622
4. E-Mail Address of Agency Contact	jknapp@paradisevalleyaz.gov
5. Mailing Address of Agency Contact	Engineering / Public Works 6401 East Lincoln Drive Paradise Valley, AZ 85253
Project Description	
6. Please provide the Project Title.	Lincoln Drive Sidewalk Expansion
7. Please provide a concise, specific description of the project (250 character limit):	
<p>This project will install 6' wide meandering colored concrete sidewalks which will complete a safe pedestrian connection along Lincoln Drive between the town's western boundary with the City of Phoenix and Mockingbird lane, linking housing to public transportation, places of worship, parks, medical offices and other services. Currently there are significant gaps in the existing sidewalk network along this corridor, requiring pedestrians to either walk on the shoulder or cross a major arterial to stay on the sidewalk.</p>	
8. Please provide the project limits:	
<p>Multiple locations on the north and south side of Lincoln Drive between Mockingbird Lane and the towns western town limits at 32nd Street.</p>	

Paradise Valley : Lincoln Drive Sidewalk Expansion

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.

LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17

- 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 type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input checked="" type="checkbox"/> Signalized Crossing |
| <input type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input checked="" type="checkbox"/> Sidewalk (5' min.) | <input style="width: 400px; height: 20px;" type="text"/> |
| <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 style="width: 400px; height: 20px;" type="text"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input checked="" 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"/> 3 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 style="width: 400px; height: 20px;" type="text"/> |
| <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.

The existing area along Lincoln Drive currently consists of dirt shoulders with overgrown landscaping. Pedestrian movements along this corridor are forced across a multitude of uneven walking surfaces and at some points into travel lanes, ditches and steep slopes.

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

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

This project will install new 6' wide 4" thick colored concrete sidewalks along the main east/west major arterial roadway within the town. The sidewalks will fill in gaps between existing sidewalks within the Town of Paradise Valley, the City of Phoenix, and the City of Scottsdale.

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

A continuous and safe sidewalk network along the main east/west major arterial roadway within the Town of Paradise Valley, linking the town to the City of Phoenix and the City of Scottsdale. This project will connect public transit, hiking locations, resorts and businesses.

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

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

- Yes
- No

Please Explain:

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

The project will eliminate pedestrian use of dirt shoulders along a 40 mph roadway and provide a safe and level walking surface.

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

This project will add ADA ramps and sidewalk in areas of the town where the current condition is a natural surface with uneven slopes and cross slopes.

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

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

This project will provide safe pedestrian linkages to nearby neighborhoods, hiking locations, bus stops, businesses and places of worship.

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

This project will define the pedestrian space along the roadway as opposed to its current condition.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

There are currently over 1.75 miles worth of sidewalk gaps along this roadway.

Project connects to other local bikeways

List of connected bikeways:

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.

1 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.

0 Within 1/4 mile

List routes and frequency:

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

0 Within 1/4 mile

List:

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

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

Within 1/4 mile

List:

Phoenix Mountain Preserve, Town of Paradise Valley Town Hall

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:

Smoketree Resort, Applewood Pet Resort, Cottonwood Resort, Hilton Resort, Lincoln Plaza, Broadstone at Lincoln

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

Within 1/4 mile

List:

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

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):

Within 1/4 miles

List:

Multiple Churches, Town of Paradise Valley Post Office

1/4 miles to 1/2 miles

List:

Scottsdale Spectrum, Broadstone Lincoln, Scottsdale Marketplace, Shops at Hilton Village, El Dorado Plaza, Borgata, Lincoln View Plaza

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom Summary." Next, select "Corridor of Interest." 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 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.

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:

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

Federal Functional Classification of the Facility:

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

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

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

In 2014 the Town collected ADT for the Major Arterial Roadways to assist in a traffic signal timing project. The town engaged Baker International and TRA to complete the data collection. TRA collected 24-hour approach traffic volumes on three dates via tube counters for every approach at all twelve signalized intersections within the town.

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.

While several segments of roadway have adequate right-of-way (ROW) or easements, some will require additional easements to construct the project. These segments include 2, 3, and 4 (please refer to Attachment 2 for segment locations). Additional easements at varying widths will be necessary.

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

Yes

No

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

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

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

Along this corridor behind the existing curb, where the sidewalk is proposed, there are many perpendicular utilities and some parallel utilities, both dry and wet. These conflicts with the sidewalk will be minimal because excavation is only 6" below existing grade in many areas. The majority of conflicts include valve or pull box adjustments to match final grade.

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

<input type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other:
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	<input type="text" value="Town of Paradise Valley General Plan"/>
<input checked="" 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="Recommend"/>
With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Recommend"/>
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<input type="text" value="Recommend"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Recommend"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="No"/>
Complete Streets Policy	<input type="text" value="Yes"/>

34. The project is: (Check one)

<input checked="" type="checkbox"/>	Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source) List: <input type="text" value="This project is identified in the Capital Improvement Program"/>
<input type="checkbox"/>	Consistent with general policy/practices, but not formally identified (provide source) Explain: <input type="text"/>
<input type="checkbox"/>	Not addressed by jurisdiction's plans, policies, or practices Explain: <input type="text"/>

Paradise Valley : Lincoln Drive Sidewalk Expansion

PART B-DETAILED PROJECT DESCRIPTION

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

The success of this project will be measured by the completion of a continuous pedestrian connection along a major arterial roadway between the City of Phoenix, Town of Paradise Valley and the City of Scottsdale.

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.

Yes, the town will market the project through various social media sites it operates such as Facebook, Twitter, Town's website, message boards at Town Hall, Police Department and Town Court.

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

Yes, the town has recently began installing pedestrian wayfinding signage with Capital Improvement Projects. There are 3 locations where signage has preliminarily been identified to be included in this project to direct users to nearby amenities such as parks, government facilities and commercial activity.

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>LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17</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: Lincoln Drive Sidewalk Expansion

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.

LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17

Sponsoring Agency:	Town of Paradise Valley	Project Title:	Lincoln Drive Sidewalk Expansion	Application Date:	21-Sep-15
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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	\$35,000.00	\$35,000.00	No	\$0.00	\$35,000.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$25,000.00	\$25,000.00	No	\$0.00	\$25,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00		
	Subtotal Scoping (Part A)						\$80,000.00	\$0.00	\$80,000.00	
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$125,000.00	\$125,000.00	No	\$0.00	\$125,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00		
	3. DRAINAGE REPORT	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00		
	4. SWPPP	LS	1	\$15,000.00	\$15,000.00	No	\$0.00	\$15,000.00		
	Subtotal PE (Part B)						\$180,000.00	\$0.00	\$180,000.00	
Subtotal Preliminary Engineering (Part A + Part B)							\$260,000.00	\$0.00	\$260,000.00	
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1	\$350,000.00	\$350,000.00	No	\$0.00	\$350,000.00	This town will be pursuing easements @ \$4 sq/ft	
Subtotal Right-of-Way Acquisition (Part C)							\$350,000.00	\$0.00	\$350,000.00	
D. Utility Relocation	1. Utility Relocation	LS	1	\$75,000.00	\$75,000.00	No	\$0.00	\$75,000.00		
Subtotal Utility Relocation (Part D)							\$75,000.00	\$0.00	\$75,000.00	
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00
		Site Preparation		LS	1	\$32,000.00	\$32,000.00	Yes	\$30,176.00	\$1,824.00
		Demolition	Sawcut	LF	750	\$5.00	\$3,750.00	Yes	\$3,536.25	\$213.75
			Remove Structures and Obstructions	LS	1	\$25,000.00	\$25,000.00	Yes	\$23,575.00	\$1,425.00
			Remove Fencing	LF	250	\$20.00	\$5,000.00	Yes	\$4,715.00	\$285.00
			Remove Structural Concrete	SY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Remove Asphaltic Concrete Pavement	SF	1,200	\$6.00	\$7,200.00	Yes	\$6,789.60	\$410.40
			Remove Concrete Sidewalks, Slabs	SF	2,300	\$10.00	\$23,000.00	Yes	\$21,689.00	\$1,311.00
		Hazmat Abatement		LS	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	9,600	\$65.00	\$624,000.00	Yes	\$588,432.00	\$35,568.00
		Earthwork	General Excavation	CY	2,200	\$37.00	\$81,400.00	Yes	\$76,760.20	\$4,639.80
			Drainage Excavation	CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation	CY	100	\$80.00	\$8,000.00	Yes	\$7,544.00	\$456.00
			Structural Backfill	CY	80	\$115.00	\$9,200.00	Yes	\$8,675.60	\$524.40
			Borrow (In Place)	CY	1	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	1,500	\$12.00	\$18,000.00	Yes	\$16,974.00	\$1,026.00
		Aggregate Base		CY	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
		Pathway Or Sidewalk Materials	Concrete	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00
			Colored Concrete	SF	54,186	\$5.50	\$298,023.00	Yes	\$281,035.69	\$16,987.31
			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
Crosswalk Enhancement	Concrete Pavers	SF	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		
	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		
	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		
Pedestrian ADA Ramp		LS	19	\$3,000.00	\$57,000.00	Yes	\$53,751.00	\$3,249.00		
Culvert Extensions		LF	60	\$1,500.00	\$90,000.00	Yes	\$84,870.00	\$5,130.00		
Pedestrian Lighting Including Conduit And Trenching		Each	0	\$0.00	\$0.00	Yes	\$0.00	\$0.00		

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17

Sponsoring Agency:	Town of Paradise Valley	Project Title:	Lincoln Drive Sidewalk Expansion	Application Date:	21-Sep-15
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
	Handrail	Standard	LF	120	\$50.00	Yes	\$5,658.00	\$342.00	
		Decorative	LF	0		Yes	\$0.00	\$0.00	
	Subtotal Hardscape Construction				\$1,297,573.00		\$1,223,611.34	\$73,961.66	

Paradise Valley: Lincoln Drive Sidewalk Expansion

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements		Each	22	\$600.00	\$13,200.00	Yes	\$12,447.60	\$752.40	Restoration of existing irrigation and landscaping only
		Trees (15 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00		
		Trees (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00		
		Shrubs (5 Gallon Size)	Each	100	\$20.00	\$2,000.00	Yes	\$1,886.00	\$114.00		
		Shrubs (1 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00		
		Cactus (5 Gallon Size)	Each	15	\$25.00	\$375.00	Yes	\$353.63	\$21.38		
		Mulch	Decomposed Granite	Ton	1,700	\$75	\$127,500	Yes	\$120,233	\$7,268	
			Organic	CY	0		\$0	Yes	\$0	\$0	
		Topsoil	CY	0		\$0	Yes	\$0	\$0		
		Seeding	Acre	0		\$0	Yes	\$0	\$0		
		Turf Sod	SY	0		\$0	Yes	\$0	\$0		
		Boulders	Each	0		\$0	Yes	\$0	\$0		
		Irrigation System	Drip	LS	1	\$45,000	\$45,000	Yes	\$42,435	\$2,565	
			Turf	SF	0		\$0	Yes	\$0	\$0	
		Sleeving For Irrigation System	Directional Bore	LF	0		\$0	Yes	\$0	\$0	
			Cut and Patch	LF	0		\$0	Yes	\$0	\$0	
		Landscape Header Curb	LF	0		\$0	Yes	\$0	\$0		
		Landscape Establishment	LS	1	\$10,000	\$10,000	Yes	\$9,430	\$570		
	Subtotal Landscaping & Irrigation Items						\$198,075	\$186,785	\$11,290		
	3. Site Furnishings	Benches	Each	0		\$0	Yes	\$0	\$0		
		Seatwalls	LF	0		\$0	Yes	\$0	\$0		
		Bike Racks	Each	0		\$0	Yes	\$0	\$0		
		Trash Receptacles	Each	0		\$0	Yes	\$0	\$0		
		Drinking Fountains	Each	0		\$0	Yes	\$0	\$0		
		Signage (Standard Traffic Control)	Each	0		\$0	Yes	\$0	\$0		
		Signage (Wayfinding)	Each	3	\$3,000	\$9,000	Yes	\$8,487	\$513		
		Tree Grates	Each	0		\$0	Yes	\$0	\$0		
		Subtotal Site Furnishings						\$9,000	\$8,487	\$513	
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter	Each	0		\$0	Yes	\$0	\$0		
		Relocate Traffic Sign, Post and Base	Each	28	\$250	\$7,000	Yes	\$6,601	\$399		
		Relocate Mailboxes	Each	12	\$1,500	\$18,000	Yes	\$16,974	\$1,026		
		Loose Rip Rap at Culverts	CY	75	\$80	\$6,000	Yes	\$5,658	\$342		
				1		\$0	Yes	\$0	\$0		
				1		\$0	Yes	\$0	\$0		
				1		\$0	Yes	\$0	\$0		
				1		\$0	Yes	\$0	\$0		
				1		\$0	Yes	\$0	\$0		
				1		\$0	Yes	\$0	\$0		
	Subtotal Other Construction						\$31,000	\$29,233	\$1,767		
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	\$15,000	\$15,000	Yes	\$14,145	\$855		
		Traffic Control	LS	1	\$70,000	\$70,000	Yes	\$66,010	\$3,990		
		Construction Survey & Layout	LS	1	\$20,000	\$20,000	Yes	\$18,860	\$1,140		
		Construction Contingencies	LS	1	\$150,000	\$150,000	Yes	\$141,450	\$8,550		
		Construction Administration	LS	1	\$150,000	\$150,000	Yes	\$141,450	\$8,550		
		Subtotal Mobilization & Administration Costs						\$405,000	\$381,915	\$23,085	
Subtotal Construction Or Implementation Cost (Part E)						\$1,940,648	\$1,830,031	\$110,617			
F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)						\$2,625,648	\$1,830,031	\$795,617			

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.

LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17

Sponsoring Agency:	Town of Paradise Valley	Project Title:	Lincoln Drive Sidewalk Expansion	Application Date:	21-Sep-15
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)
G.	Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,0000				\$30,000	No	\$0	\$30,000	
H.	Total Project Cost Including ADOT Fees (Part F + Part G)				\$2,655,648		\$1,830,031	\$825,617	

Paradise Valley: Lincoln Drive Sidewalk Expansion

PART E - TOTAL PROJECT SCHEDULE AND BUDGET

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 24-27 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)
LINCOLN DRIVE	\$30,000	
2. Design	\$260,000	
3. Right of way	\$350,000	
4. Utilities	\$75,000	
5. Construction	\$1,790,648	
6. Contingency	\$150,000	No more than 20% of Construction Cost
7. Total Cost	\$2,655,648	

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

9. Expected Annual Maintenance Cost

10. Identify Source of Maintenance Funds

Requested MAG Programming	Year	Short Work Description (E.g. Construct Multiuse Path)	Local Funding Source	Local Cost	Federal Cost	Total Cost	Local Share
11. Design (Optional)	2016	Design project	General Fund	\$260,000	Not Available	\$260,000	100.0%
12. Right of way (Optional)	2017	Obtain necessary right-of-way	General Fund	\$350,000	Not Available	\$350,000	100.0%
13. Utilities (Optional)	2018	Work with utilities to relocate as necessary	General Fund	\$75,000	Not Available	\$75,000	100.0%
14. ADOT Review Fee (Required)	2016		General Fund	\$30,000	Not Available	\$30,000	100.0%
15. Construction	2019	Construction 6' colored concrete sidewalk	General Fund	\$110,617	\$1,830,031	\$1,940,648	5.7%
16. Total Costs				\$825,617	\$1,830,031	\$2,655,648	31.1%

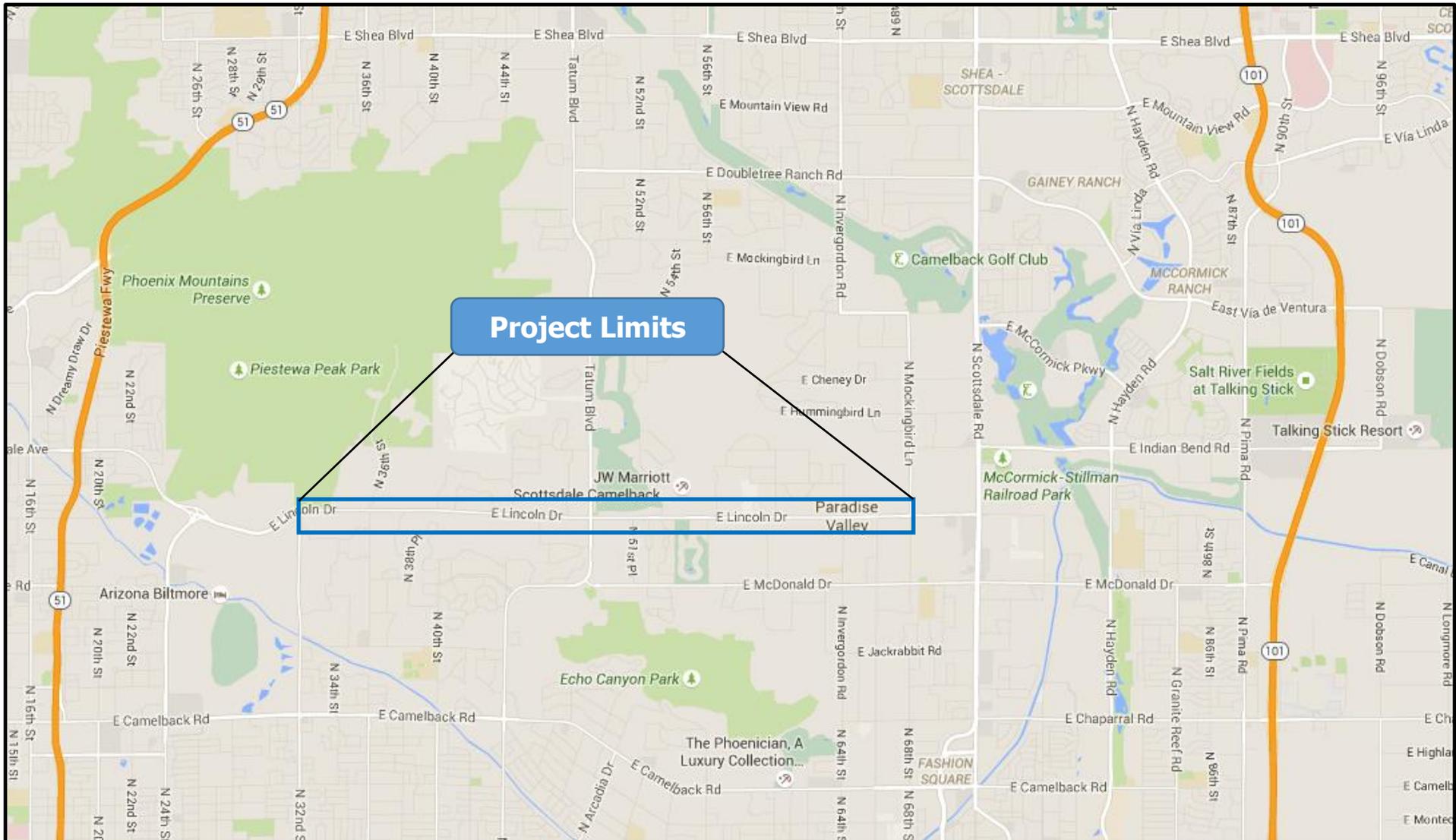
PART F - SIGNATURE AND CHECKLIST	
<h1>Checklist</h1>	
LINCOLN DRIVE SIDEWALK EXPANSION - REVISED 7/27/17	
COVER SHEET	Complete?
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 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.	No
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	No
PART D - Cost Estimate Worksheet	Complete?
Sponsoring Agency, Project Title, and Application Date are complete	Yes
Part A - Scoping is complete	Yes
Part B - Final Preliminary Engineering Design is complete	Yes
Part C - Right-of-Way Acquisition is complete	Yes
Part D - Utility Relocation is complete	Yes
Part E - Construction or Implementation is complete	Yes
Parts F, G, and H - Costs are complete and accurate	Yes
PART E - Total Project Schedule and Budget Including All Segment Fields	Complete?
Fields 1 – 7 are complete and costs are accurate	Yes
Field 8 - 10 are complete	Yes
Fields 11 – 15 Years are complete	Yes
Fields 11 – 15 Local Funding Sources are complete	Yes
Fields 11 – 15 Local Costs are complete and accurate	Yes

Field 11 - 15 Federal Costs are complete and accurate	Yes
Field 16 Total Costs are complete and accurate	Yes
PART F - Signature and Checklist	Complete?
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager/administrator or designated representative.	Yes
Name, title and date fields under the signature are completed.	Yes

SIGNATURE(S):

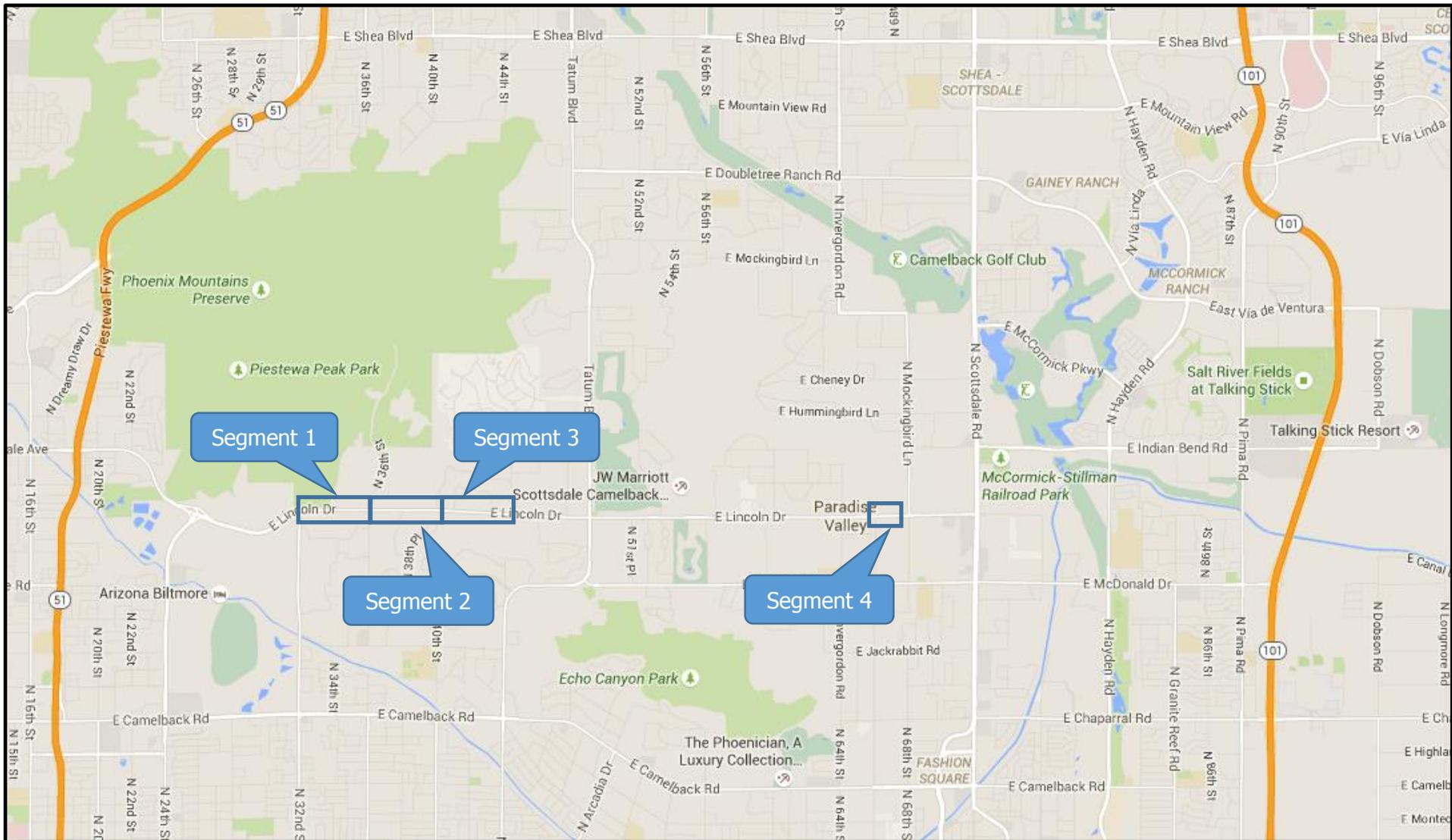
As the MAG member agency's manager/administrator or designated representative, I certify that this application is accurate and complete and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal funding.

Signature:	
Name:	Kevin Burke
Title:	Town Manager
Date:	28-Jul-17



Vicinity Map Exhibit – Revised 4/25/17
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona





Segment Map Exhibit – Revised 4/25/17
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona



Segment 1



Segment 2



Segment 3




Segment's 1, 2, & 3 Exhibit – Revised 4/25/17
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona



Segment 4

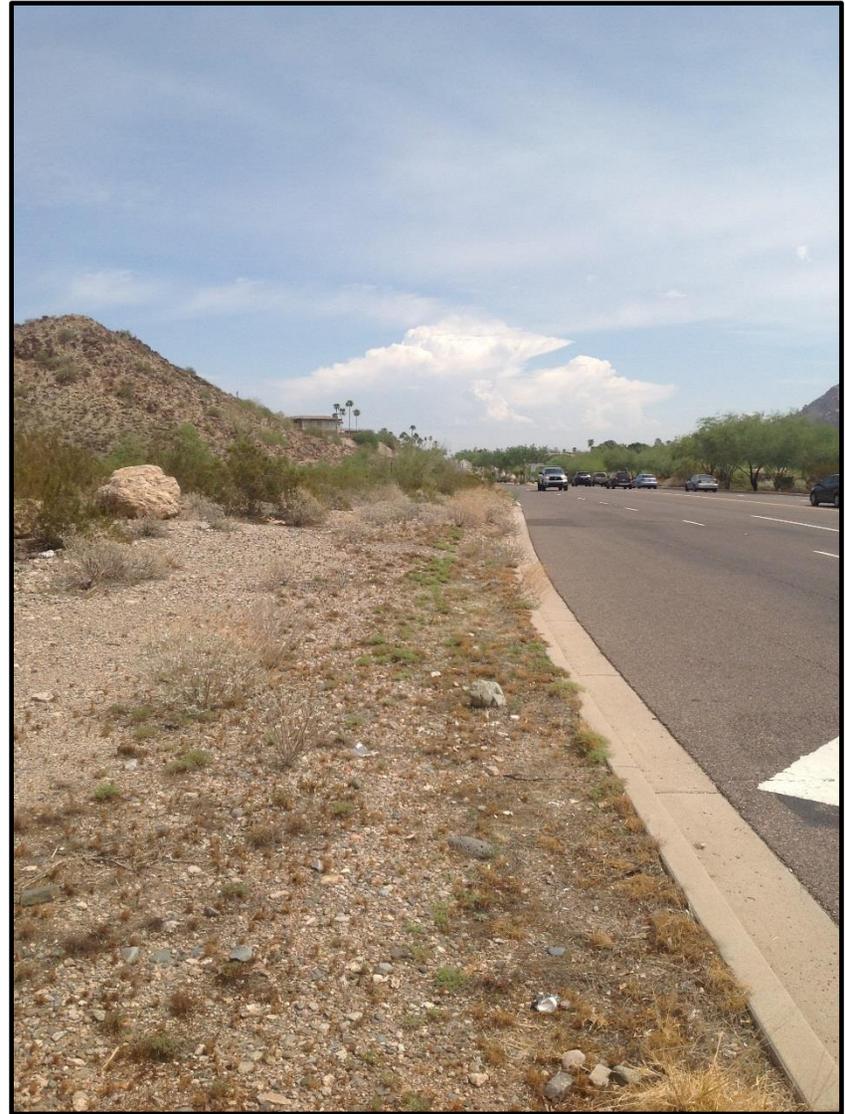


Segment 5 Removed from Scope



Segment 4 Exhibit – Revised 4/25/17
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona

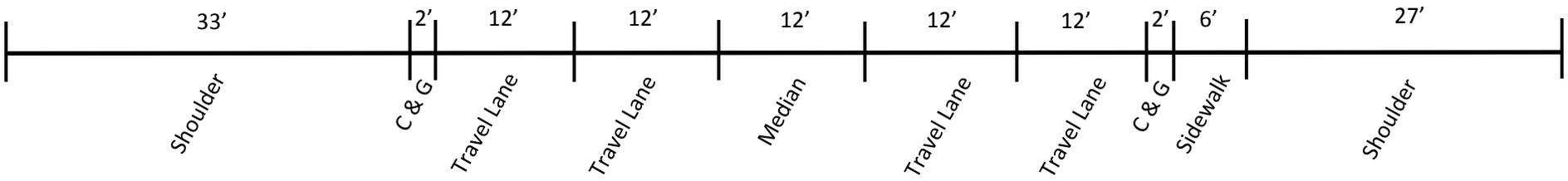
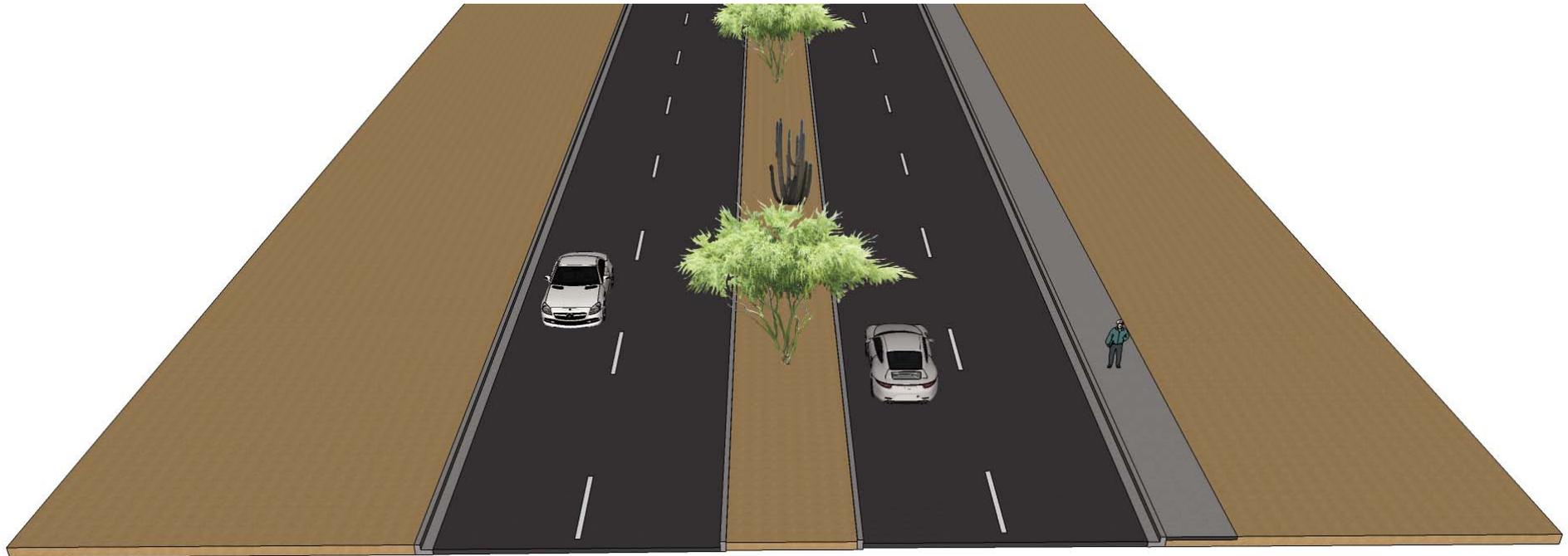




Segment 1 Photos
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona



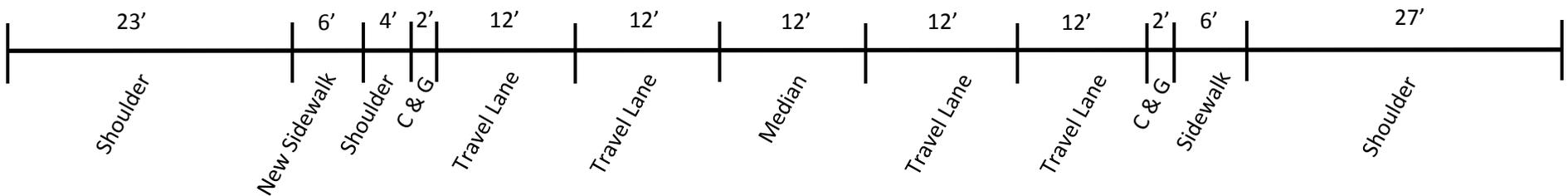
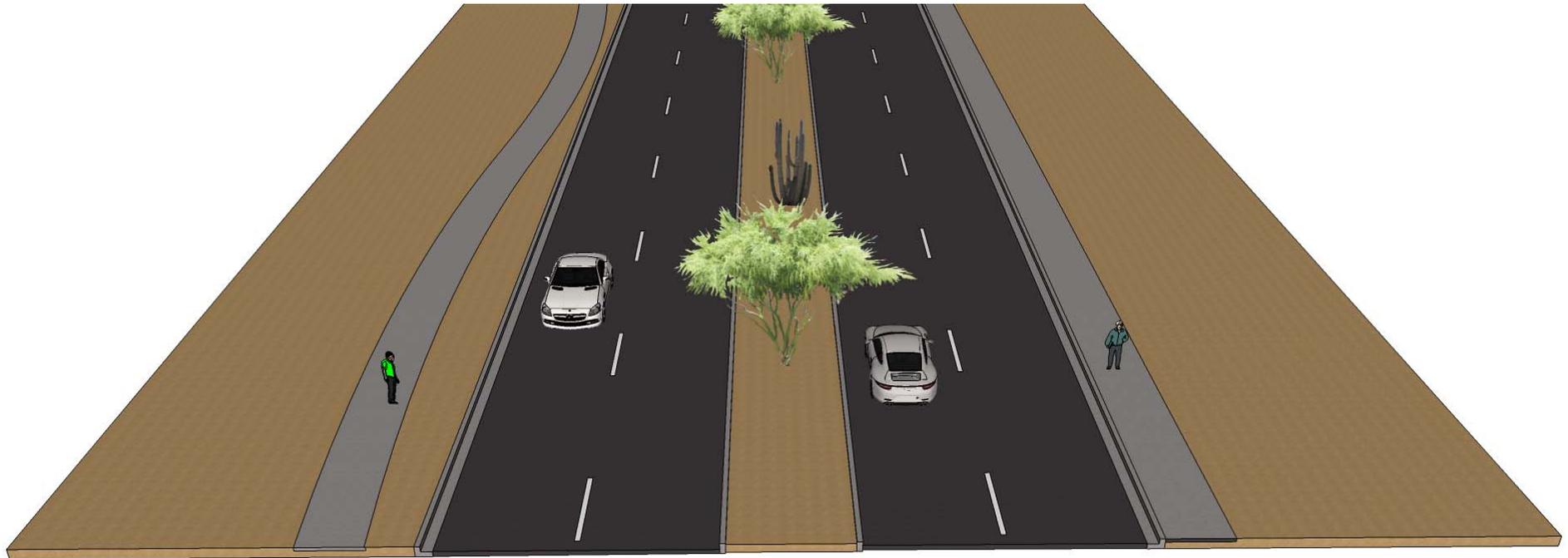
Segment 2 Photos
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona



Existing Right of Way = 130'



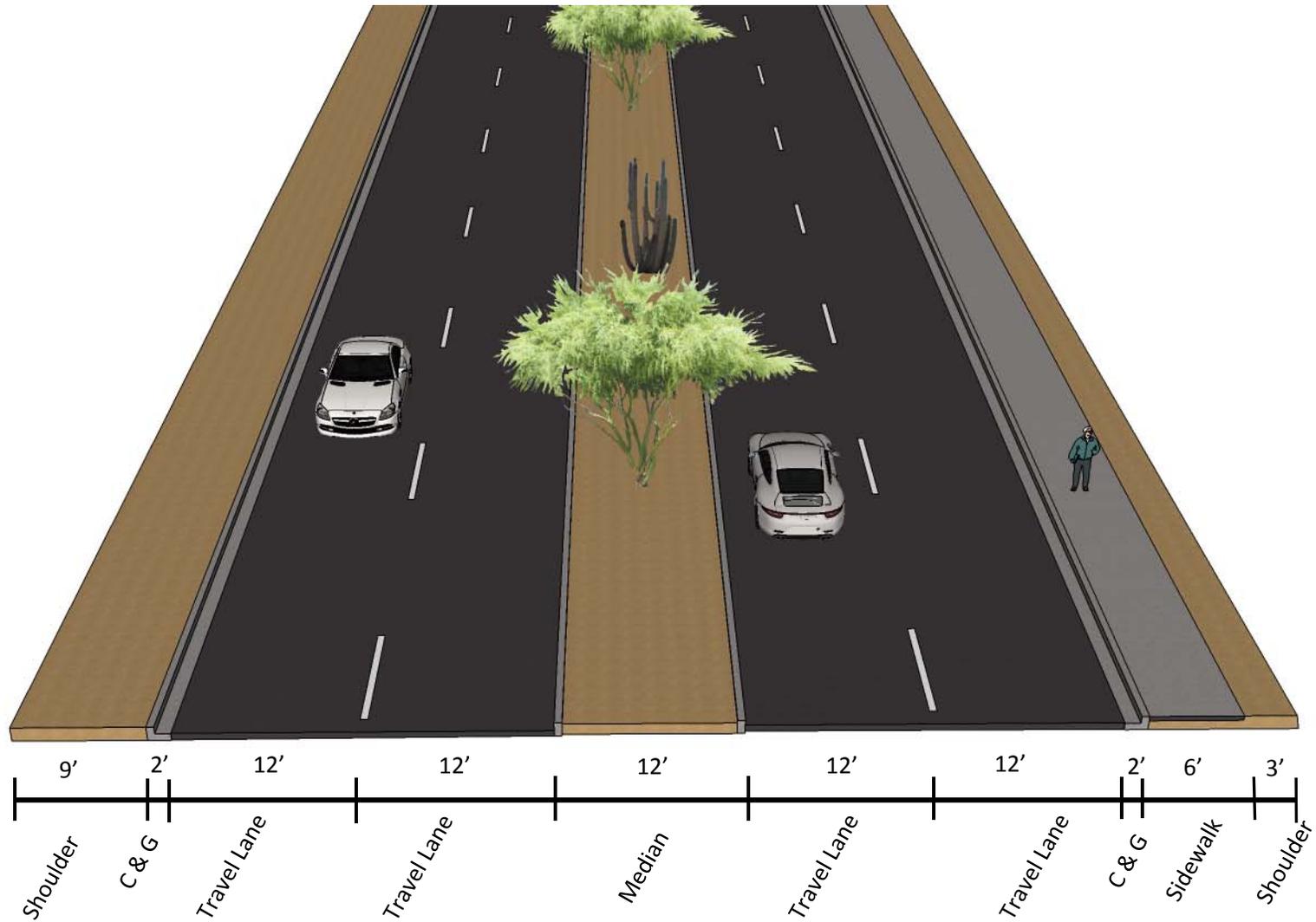
Section A - Existing Lincoln Drive Sidewalk Expansion Town of Paradise Valley, Arizona



Existing Right of Way = 130'



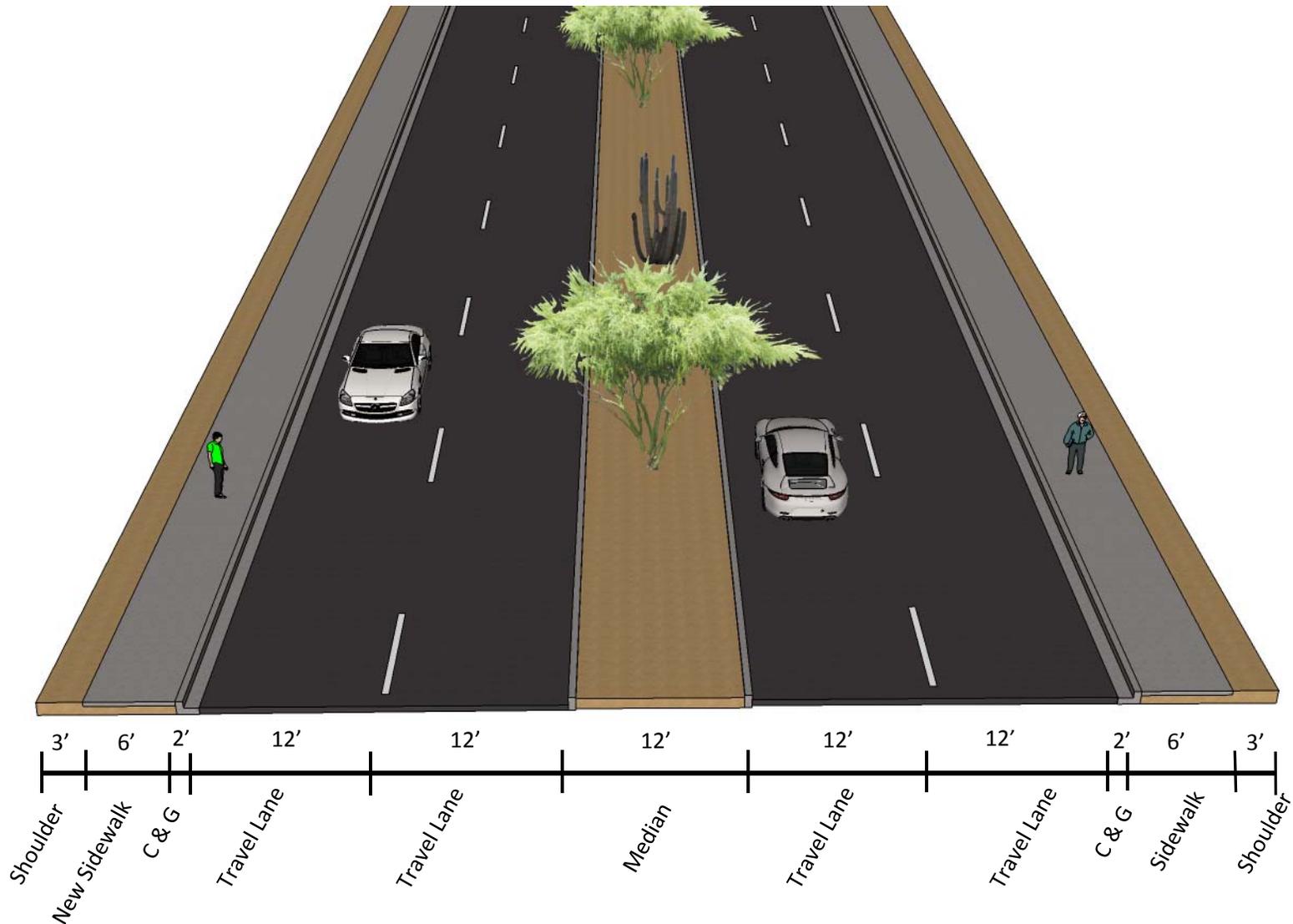
Section A - Proposed Lincoln Drive Sidewalk Expansion Town of Paradise Valley, Arizona



Existing Right of Way = 80'



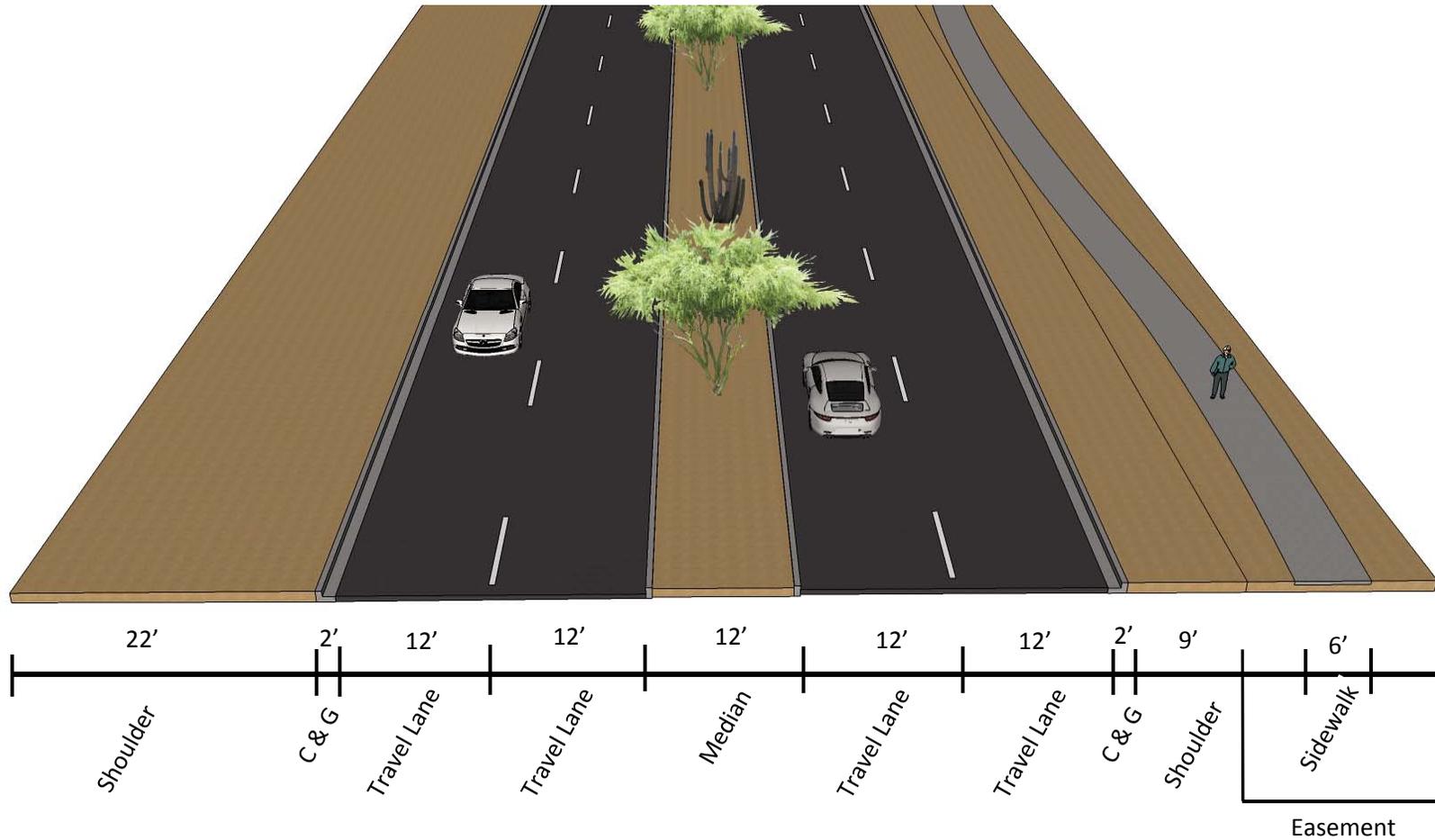
Section B - Existing
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona



Existing Right of Way = 80'



**Section B - Proposed
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona**



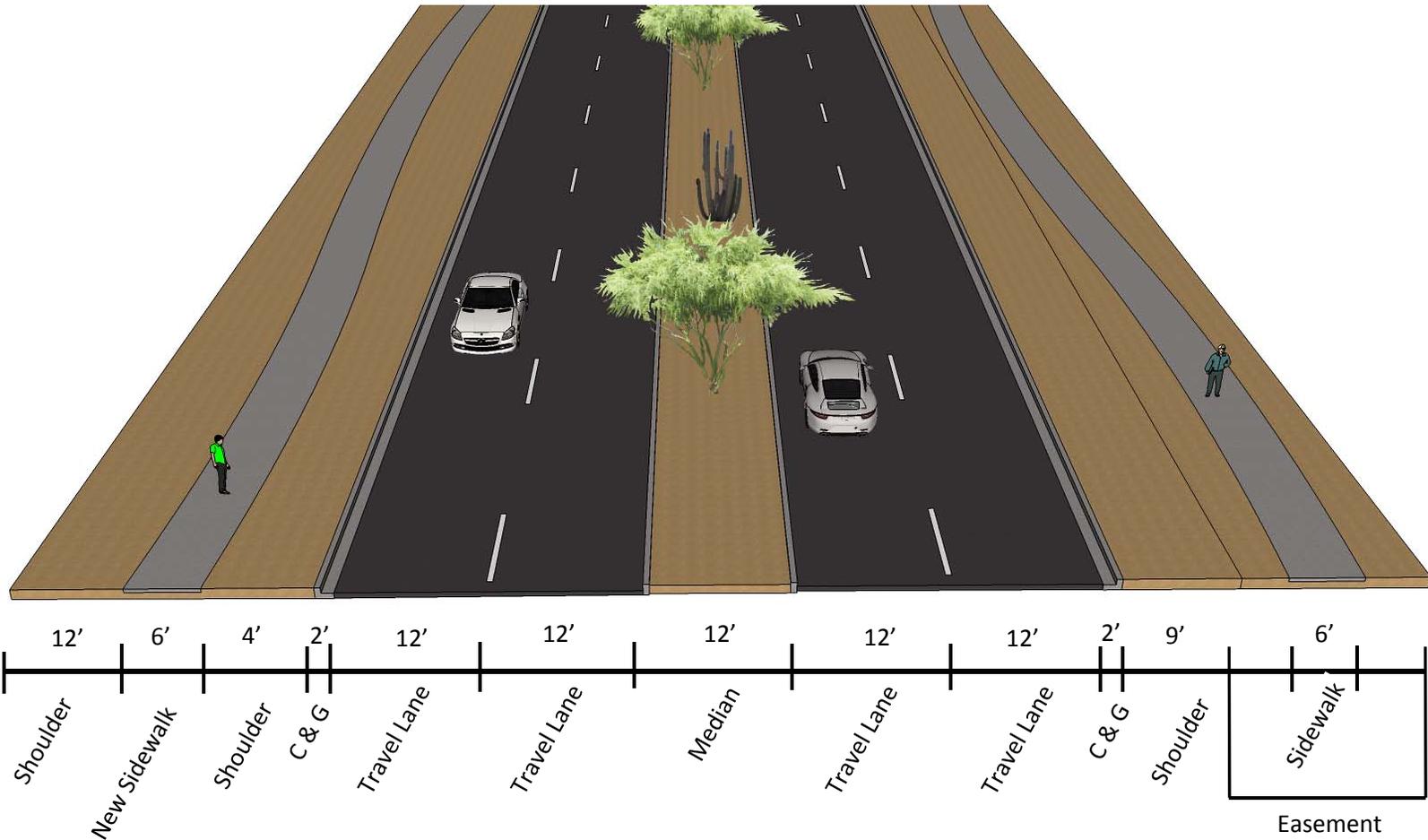
Existing Right of Way = 95'



Section C - Existing

Lincoln Drive Sidewalk Expansion

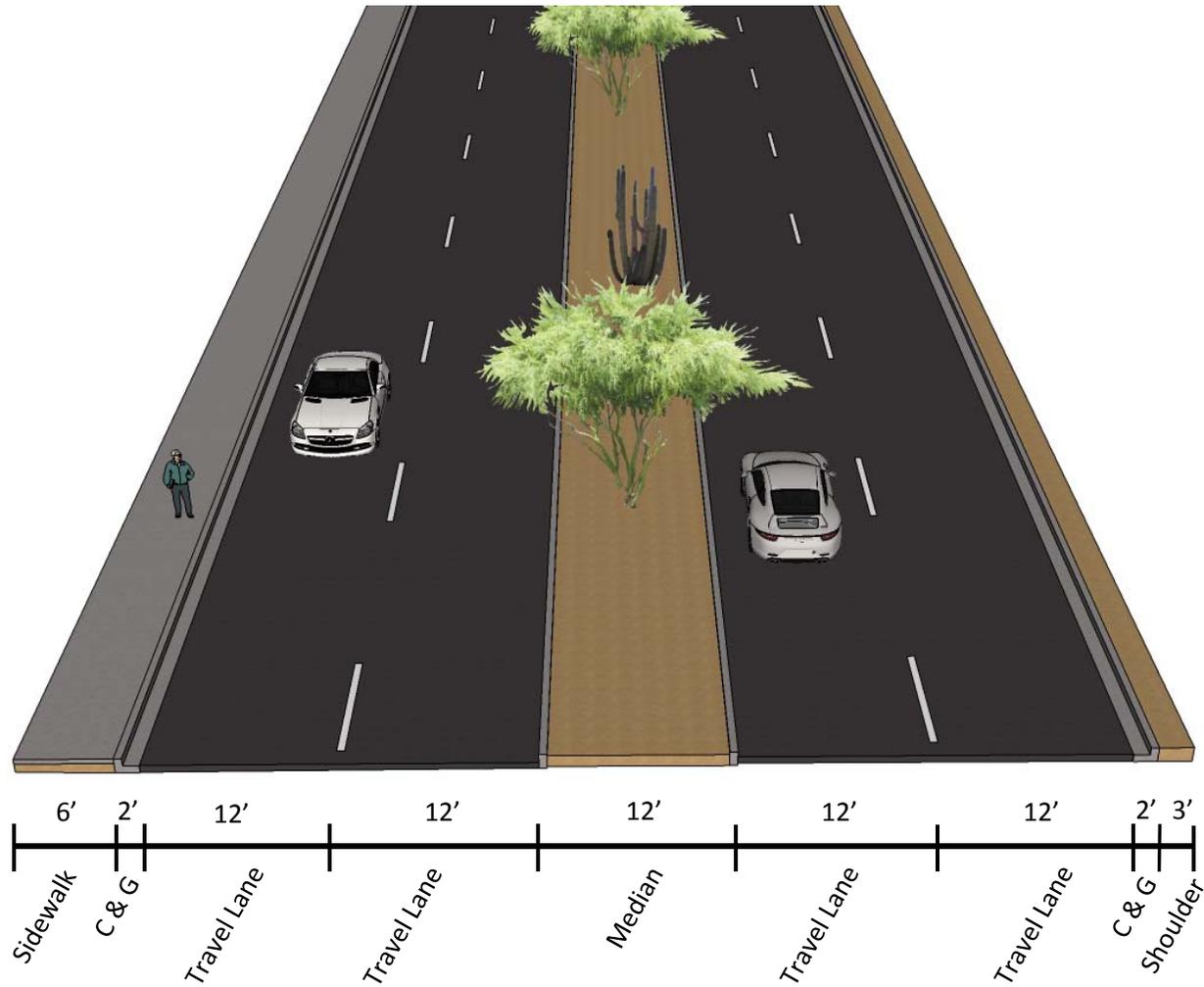
Town of Paradise Valley, Arizona



Existing Right of Way = 95'



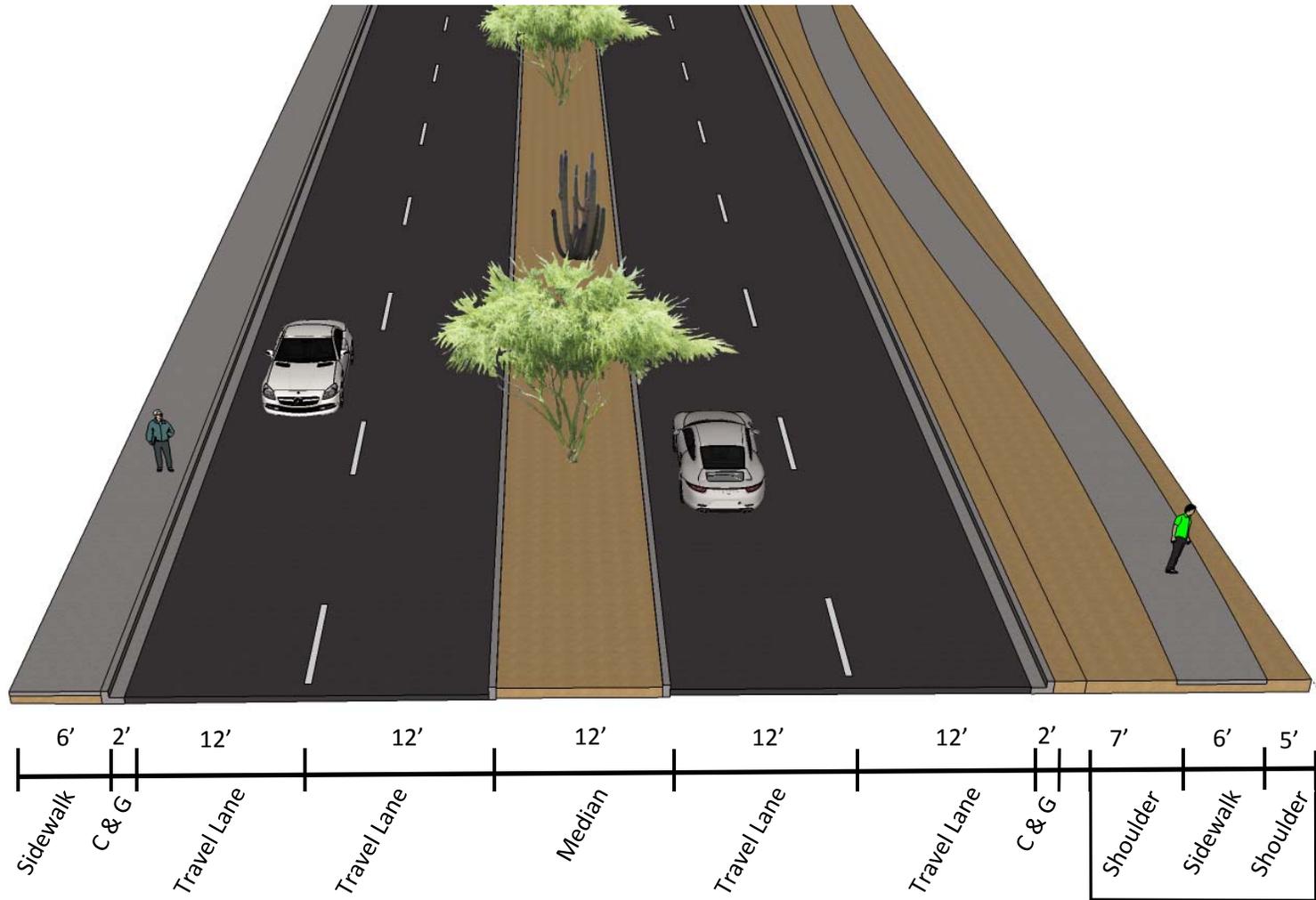
Section C - Proposed Lincoln Drive Sidewalk Expansion Town of Paradise Valley, Arizona



Existing Right of Way = 73'



Section D - Existing
Lincoln Drive Sidewalk Expansion
Town of Paradise Valley, Arizona



Existing Right of Way = 73'

New Easement = 15'



Section D - Proposed Lincoln Drive Sidewalk Expansion Town of Paradise Valley, Arizona