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

MOCKINGBIRD LN IMPROVEMENTS: LINCOLN DR TO MCDONALD DR

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: Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

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.	Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr
7. Please provide a concise, specific description of the project (250 character limit):	
Install 6' wide meandering colored concrete sidewalk along east side of Mockingbird Ln and curb ramps and driveways to the existing sidewalk on the west side. Install curb and gutter and widen roadway for bike lanes and to reduce ponding and deposition of erosion on the pavement in bike lanes.	
8. Please provide the project limits:	
Lincoln Dr to McDonald Dr	

Paradise Valley : Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

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.

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

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

	Bicycle Lane (4' min. w/o curb/gutter)
X	Bicycle Lane (5' min. with curb/gutter)
	Buffered Bike Lane
	Protected Bike Lane
	Shared-use path (10' min.)
X	Sidewalk (5' min.)
	Planning Study
	Shoulder paving is within 4-miles of a PM-10 Monitor
	Wide Sidewalk (8' min.)
X	Detached Sidewalk with 4' min. buffer
	Signalized Crossing

Other:

Project will maximize the use of detached meandering sidewalk.

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

	Bridge (overpass)
	Tunnel (underpass)
	Signalized midblock crossing/HAWK
	Countdown Pedestrian Signal

Other:

4. What amenities are included in this project?

	Number of Bike racks/lockers
	Number of Drinking Fountains
	Number of Way-finding Signs
	Number of Trash receptacles
	Number of Trees
	Number of new openings in street walls
	Number of Shade Structures
	Number of Seating/Rest Area(s)
	Number of bicycle/pedestrian counting devices
	Number of bicycle/pedestrian counting devices

Other:

Landscape restoration will include trees and shrubs as needed.

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

This half mile segment of Mockingbird Lane, Minor Arterial classification, is a north/south street with a bike lane and one traffic lane in each direction. The street has ribbon cub which allows stormwater from the landscaping to pond along with eroded material into the bike and travel lanes along the west side of the road. The street is a major N/S multimodal corridor provides connections to homes, businesses, churches, trails, and to a new resort development. Pedestrians are limited to sidewalk access along the west side of the street which is not ADA compliant and experiences ponding. The posted speed limit is 30 MPH.

Paradise Valley : Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

PART B-DETAILED PROJECT DESCRIPTION

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

The project will install a 6' wide meandering colored concrete sidewalk along east side of Mockingbird Ln and ADA compliant ramps and driveway retrofits to the existing sidewalk on the west side. Ribbon curb will be replaced with curb and gutter. Areas of sidewalk and pavement will be replaced to provide all weather sidewalk and eliminated ponding in the roadway. Roadway will be widened to provide standard bike lane widths.

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

A continuous and safer sidewalk along the east side of Mockingbird Ln and an ADA compliant pedestrian sidewalk on the west side providing access to homes, businesses, churches, trails, and to a new resort development. Utilizing new curb and gutter and pavement widening/replacement to improve drainage and eliminate the ponding and sediment in the bike and traffic lanes. The work will bring this segment of roadway into compliance with the Town's General Implementation Plan.

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
X	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?

X	Yes
	No

Please Explain:

The Town of Paradise Police Department conduct monthly "Blue Wednesday" presentations at schools in Paradise Valley. Discussion topics include safety.

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 construction of curb and gutter will allow the removal of boulders and berms placed along the roadway and eliminate ponding in the road. Roadway widening will provide standard bike lane widths.

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

The project will provide a new ADA accessible route along the east side of Mockingbird Ln the road along with replacing ramps and retrofitting driveways along the west side to meet current ADA requirements. The project will improve ADA accessibility by providing access to homes, businesses, churches, trails, and to a new resort development.

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

The project will provide transportation alternatives and safe pedestrian and bicycling linkage to the homes, businesses, churches, trails, and to a new resort development adjoining the project.

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

Paradise Valley : Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

PART B-DETAILED PROJECT DESCRIPTION

It provides pedestrians and bicyclist with a sense of place in our multimodal society by providing a walkway and bike lanes by providing a safe place to walk and ride with enhanced connectivity.

14. Connectivity: (Check all that apply)

X Project fills a gap in the system

Explain:

Elimination of 0.4-mile gap of sidewalk.

X Project connects to other local bikeways

List of connected bikeways:

Mockingbird Lane north of Lincoln

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

List of Participating Jurisdictions:

10.5 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.

4 Within 1/2 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.

1 Within 1/2 mile

List routes and frequency:

Route 72
Peak frequency - 20 Minutes

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

0 Within 1/2 mile

List:

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

4 Within 1/2 mile

List:

EPCOR Water Xeriscape Demonstration Garden, Saint Barnabas on the Desert Episcopal Church, Town of Paradise Valley Facilities, Valley Presbyterian Church

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):

6 Within 1/2 mile

List:

Paradise Living centers, Ritz Carlton Resort, Smoketree Resort, Lincoln Plaza, The Lincoln, Applewood Pet Resort

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PART B-DETAILED PROJECT DESCRIPTION

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

1 Within 1/2 mile

List:

Kiva Elementary School

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

1 Within 1/2 mile

List:

The Solel Preschool

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):

2 Within 1/4 miles

List:

Saint Barnabas on the Desert Episcopal Church, Valley Presbyterian Church

4 1/4 miles to 1/2 miles

List:

Ritz Carlton Resort, Smoketree Resort, Lincoln Plaza, The Lincoln, Town of Paradise Valley Facilities

23. What are the demographics of the area served: MAG Demographic Mapping

1,145 People Per Square Mile

3.7 % 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:

Mockingbird Ln Improvements, Lincoln Dr to McDonald Dr

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

Federal Functional Classification of the Facility:

Major Collector

Link to MAG webpage for Federal Functional Classification Map

Paradise Valley : Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

PART B-DETAILED PROJECT DESCRIPTION

Type of Facility the Improvement will be located on:

Arterial Road

0.5 Length (in Miles)

30 Posted Speed Limit (MPH)

2 Number of Travel Lanes Before Project

2 Number of Travel Lanes After Project

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

44,300 ADT Estimate

7/1/2016 Date Counted

Name of road the traffic count was taken from

Scottsdale Road

Description of Methodology and Source used for the ADT Estimate

City of Scottsdale, 2016 Averaage Daily Traffic Volumes, SEGMENTS
https://www.scottsdaleaz.gov/Assets/ScottsdaleAZ/Transportation/Engineering/2016_segment.pdf

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.

No known issues.

27. Current ROW: (Check all that apply)

X	Agency owns all ROW Needed		Agency owns easement
	ROW to be acquired		Agency has right-of-use (i.e. canal)
	Owners will donate ROW		Condemnation may be required

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

There are no known right of way issues asociated with this project. The project may require obtaining easements.

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PART B-DETAILED PROJECT DESCRIPTION

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

	Yes	X	No

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

	No Utility in or abutting the alignment		Private Structures
	Canals & Drainage		
X	Power Lines & Cables	Other:	
X	Pipelines, Sewer and Water		

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

The construction will take place along the edges of pavement and in landscaped areas. Utilities in this area run both perpendicular and parralel to the street. Care will be taken to avoid the utilities by meandering the sidewalk around utility risers, transformers and water meter boxes. It is anticipated that adjustments will be required to match final grades for in ground electrical boxes, manholes, and valves.

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

X	AASHTO Guide for Bicycle Facilities	Other:
X	MAG Pedestrian Policies and Design Guidelines	Town of Paradise Valley General Plan, Uniform Standard Specifications and Details for Public Works Construction, 2019
	MAG Complete Streets Guide	
	MAG Designing Transit Accessible Communities	
	MAG Valley Path Brand & Wayfinding Signage Guidelines	
X	NACTO Urban Bikeway Design Guide	
	RPTA Bus Stop Program and Standards	

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

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

34. The project is: (Check one)

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

List:

Project is identified in the Capital Improvement Program

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

Explain:

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

Explain:

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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 public meetings.

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, Police Department.

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

No.

Part C - Required Attachments

Listed below are the required attachments for this project application. These attachments are intended to demonstrate the need of the project. They should clearly show the segment alignment and features that connect to other bicycle, pedestrian, and/or shared-use facilities, as well as washes, canals, railroad crossings, and other crossing features that may affect the project.

PLEASE INCLUDE EACH ATTACHMENT AS A SEPARATE .JPEG OR .PDF FILE ON YOUR APPLICATION CD.

Please insert ALL attachments at the end of your printed application, in the order they are listed below. See below for alternate submission requirements for GIS coverage files.

Required Attachments:

1) Please attach a map showing the general location of the proposed project in relation to the region, including a north arrow.

2) Please attach a map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow.

3) Please attach up to four photos indicating existing conditions in the project area (two 4x6 photos per page).

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.

OPTIONAL Attachments:

(OPTIONAL) Attach up to two photos showing what the completed project will look like, if available (these can be photoshop, renderings, etc.).

(OPTIONAL) Attach up to three (3) letters of support for the project.

(OPTIONAL) If the applicant will be providing a GIS coverage (shapefile or geodatabase), please see the tab labeled "GIS Transmittal Instructions"

Paradise Valley : Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

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

PROCUREMENT	REQUESTED PROGRAMMING	Location Description		Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr						
		Work Description		Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.						
		Funding Source		CMAQ						
		Preferred Year to Program Work		2024						
	COST ESTIMATE FOR PROCUREMENT			UNITS	QUANITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	PROCUREMENT/STUDY COSTS	Place for entering item #1		EA			-	No		-
		Place for entering item #2		EA			-	No		-
		Place for entering item #3		EA			-	No	-	-
	TOTAL – PROCUREMENT						-		- -	-
DESIGN	REQUESTED PROGRAMMING (Complete if Item will be programmed in the MAG TIP)	Location Description		Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr					-	
		Work Description		Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.						
		Funding Source		Local						
		Preferred Year to Program Work		2021						
	COST ESTIMATE FOR DESIGN			UNITS	QUANITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	PRELIMINARY ENGINEERING (15% plans) (Required for Budget)	Topographic Survey		LS	1	10,000	10,000	No	-	10,000
		Project Assessment		LS	1	10,000	10,000	No	-	10,000
		Federal Project Environmental Determination		LS	1	5,000	5,000	No	-	
		HAZMAT Assessment		LS	1		-	No		5,000 -
		SUBTOTAL – PRELIMINARY ENGINEERING COSTS					25,000		-	25,000
	FINAL DESIGN (30, 60, 95, 100% plans) (Required for Budget)	Plans, Specifications, Cost Estimates, Bidding		LS	1	80,000	80,000	No	-	80,000
		Geotechnical Report		LS	1	5,000	5,000	No	- -	
		Drainage Report		LS	1	4,000	4,000	No	-	5,000
		SWPPP		LS	1	7,500	7,500	No	-	4,000
		SUBTOTAL – FINAL DESIGN COSTS					96,500		-	96,500
	TOTAL PRELIMNARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING						121,500		-	121,500
RIGHT OF WAY	REQUESTED PROGRAMMING (Complete only if Right Of Way will be programmed in the MAG TIP)	Location Description		Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr						
		Work Description		Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.						
		Funding Source		Local						
		Preferred Year to Program Work		2021						
	COST ESTIMATE FOR RIGHT OF WAY			UNITS	QUANITY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL
	RIGHT OF WAY COST (Required for Budget, May be 0 if no ROW)	Appraisals and Title Reports		LS	1	40,000	40,000	No	-	40,000
		Roadway/Sidewalk Easements		LS	1		250,000	No	-	250,000
		Temporary Construction Easements		LS	1	10,000	10,000	No	-	10,000
		Drainage Easement		LS			-	No		-
		Utility Easements/Right of Way		LS		250,000	-	No		-
		Aerial Electrical Easement		LS			-	No	-	-
		Sign Relocations		LS			-	No	-	-
		Relocation Expenses		LS			-	No	-	-
		Site Environmental Assessments		EA			-	No	-	-
									-	
									-	

		Building Demolition		EA			-	No		-
		Other Right of Way Expenses					-	No		-
		Other Right of Way Expenses					-	No	-	-
		Other Right of Way Expenses		EA			-	No	-	-
	TOTAL – RIGHT OF WAY COSTS						**300,000**		- -	
CONSTRUCTION	**REQUESTED PROGRAMMING (Complete only if Construction will be programmed in the MAG TIP)**	Location Description		**Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr**					-	**300,000**
		Work Description		**Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.**						
		Funding Source		**CMAQ**						
		Preferred Year to Program Work		**2024**						
	COST ESTIMATE FOR CONSTRUCTION			**UNITS**	**QUANITY**	**UNIT COST**	**TOTAL**	**USES FEDERAL AID**	**FEDERAL**	**LOCAL**
	UTILITY RELOCATIONS (Required for Budget, May be 0 if no Utilities)	Relocate 69 kv (+) Poles		EA	1		-	No		-
		Relocate/Underground 12 kv lines		LF	1		-	No		-
		Relocate/Underground Irrigation Canal		LF	1		-	No	-	-
		SWG Relocations		LS	1		-	No	-	-
		Telephone/Cable TV Relocations		LS	4	500	2,000	Yes	- 1,886	
	The cost of utility relocation for the transportation project are eligible for federal aid if the costs/activities invloved are directly related to the transportation project. Generally, burying overhead utilities is cost prohibitive.	Upgrade Railroad Crossings		LS	1		-	No	-	114 -
		Other Utilities - APS Underground Electrical Cabinet Adjustment		LS	4	10,000	40,000	Yes	37,720	2,280
		Other Utilities		LS	1		-	No	-	-
				SUBTOTAL – UTILITY RELOCATION COSTS			**42,000**		**39,606**	**2,394**
	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	10,000	10,000	Yes	9,430	570
		Site Preparation		LS	1	50,000	50,000	Yes	47,150	2,850
		Demolition	Sawcut	LS	1	8,000	8,000	Yes	7,544	
			Remove Structures and Obstructions	LS	1	5,000	5,000	Yes	4,715	285
			Remove Fencing	LS			-	Yes	-	456
			Remove Structural Concrete	LF			-	Yes	-	-
			Remove Asphaltic Concrete Pavement	SY	1,100		44,000	Yes	41,492	2,508
			Remove Concrete Sidewalks, Slabs	SF	6,000	40	30,000	Yes	28,290	1,710
		Hazmat Abatement		SF		5	-	Yes		-
		Retaining Wall - Reinforced Concrete Cantilevered		LS			-	Yes		-
		Earthwork	General Excavation	LS	1	28,000		Yes	26,404	1,596
			Drainage Excavation	LS			-	Yes	-	
			Structural Excavation	SY			-	Yes	-	
			Structural Backfill	SY			28,000 -	Yes	-	
			Borrow (In Place)	SY			-	Yes	-	-
		Curb & Gutter		LF	3,125	40	125,000	Yes		- 7,125
		Aggregate Base		SY	1,100	15	16,500	Yes	15,560	-
		Pathway Or Sidewalk Materials	Concrete	SF			-	Yes	-	-
			Colored Concrete	SF	21,348	8		Yes	117,875	941 9,735
			Stamped Color Concrete	SF			-	Yes	-	
			Precast Concrete Pavers	SF			-	Yes	-	
			Asphaltic Concrete	SF	10,000	4	170,784 40,000	Yes	161,049 37,720	2,280
			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	12	2,500	30,000	Yes	28,290	1,710
		Culvert Extensions		LF			-	Yes		-
		Pedestrian Lighting Including Conduit And Trenching		SF			-	Yes		- -
		Handrail	Standard	EA			-	Yes	-	-
			Decorative	LF			-	Yes	-	-
				SUBTOTAL HARDSCAPE CONSTRUCTION			557,284			31,765

525,519

2. Landscaping & Irrigation Items	Trees Above 15 Gallon In Size As Required Per Local Code Or Special Design Requirements		EA	6	800	4,800	Yes	4,526	
	Trees (Salvage and Relocate)		EA	4	1,000	4,000	Yes	3,772	274
	Trees (5 Gallon Size)		LS			-	Yes		228 -
	Shrubs (5 Gallon Size)		EA	100	30	3,000	Yes	2,829	
	Tree and Bush Removal		LS	1	15,000	15,000	Yes	14,145	855
	Cactus (5 Gallon Size)		EA	50	40	2,000	Yes	1,886	171
	Mulch	Decomposed Granite	LS	1	26,250	26,250	Yes	24,754	1,496
		Organic	EA			-	Yes		114 -
	Topsoil		EA			-	Yes		-
	Seeding		EA			-	Yes	-	-
	Turf Sod		EA			-	Yes	-	-
	Boulders		LF			-	Yes	-	-
	Irrigation System	Drip	LF	3,100	5	15,500	Yes	14,617	
		Turf	LF			-	Yes	-	-
	Sleeving For Irrigation System	Directional Bore	LF			-	Yes		884 -
		Cut and Patch	LF			-	Yes	-	-
	Landscape Header Curb		LF			-	Yes	-	-
	Landscape Establishment		LS	1	10,000	10,000	Yes	9,430	570
			SUBTOTAL LANDSCAPING & IRRIGATION ITEMS			80,550		75,959	4,591
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.	Bicycle and Pedestrian Counter		Acre			-	Yes	- -	-
	Remove Ribbon Curb		LF	2,922	15	43,830	Yes	41,332	
	Drainage scupper under sidewalk		EA	8	4,000	32,000	Yes	30,176	2,448 1,824
	Signing and Marking		LS	1	20,000	20,000	Yes	- 18,860	1,140
	Driveways		EA	22	6,000	132,000	Yes		7,524
			EA			-	Yes		-
			LF			-	Yes		-
			LS			-	Yes	124,476 -	-
			EA			-	Yes	-	-
						-	Yes	-	-
			SUBTOTAL OTHER CONSTRUCTION ITEMS			227,830		-	12,986
TOTAL CONSTRUCTION COST						**907,664**		-	**51,737**
MOBILIZATION AND ADMINISTRATION COSTS	**CONTRACTOR MOBILIZATION (Typically 8% of construction cost)**				**12%**	**108,920**	Yes	214,844	6,208
	TRAFFIC CONTROL (0-8% of construction cost)				**8%**	**72,613**	Yes	**855,927** 68,474	4,139
	CONSTRUCTION CONTINGENCIES (Typically 5% of construction cost)				**10%**	**90,766**	Yes	102,711 85,593	5,174
	CONSTRUCTION ADMINISTRATION (Averaging 18% of construction cost)				**18%**	**163,380**	Yes		9,313
			SUBTOTAL – MOBILIZATION & ADMINISTRATION COSTS			**435,679**			**24,834**
TOTAL CONSTRUCTION AND MOBILIZATION FOR PROGRAMMING						**1,343,343**		**1,266,772**	**76,571**
								154,067	
								410,845	

	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**
ADOT REVIEW FEE	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					**$ 1,795,863**		**1,266,772**	**529,091**

Paradise Valley : Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

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	Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr	Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.	2021	Local	$ -	$ 121,500	$ 121,500	100.0%
Right-of-Way	Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr	Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.	2021	Local	$ -	$ 300,000	$ 300,000	100.0%
Construction	Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr	Construct 6' concrete sidewalk, curb and gutter, and pavement widening for bike lanes.	2024	CMAQ	$ 1,266,772	$ 76,571	$ 1,343,343	5.7%
Total Programmed					$ 1,266,772	$ 498,071	$ 1,764,843	28.2%
ADOT Design Review Fee					$	$ 31,020	$ 31,020	100.0%
Total Cost					**$ 1,266,772**	**$ 529,091**	**$ 1,795,863**	**29.5%**

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: Dawn Marie Buckland for

Name: Jill Keimach

Title: Town Manager

Date: September 13, 2019

Paradise Valley: Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

Part F - Checklist

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

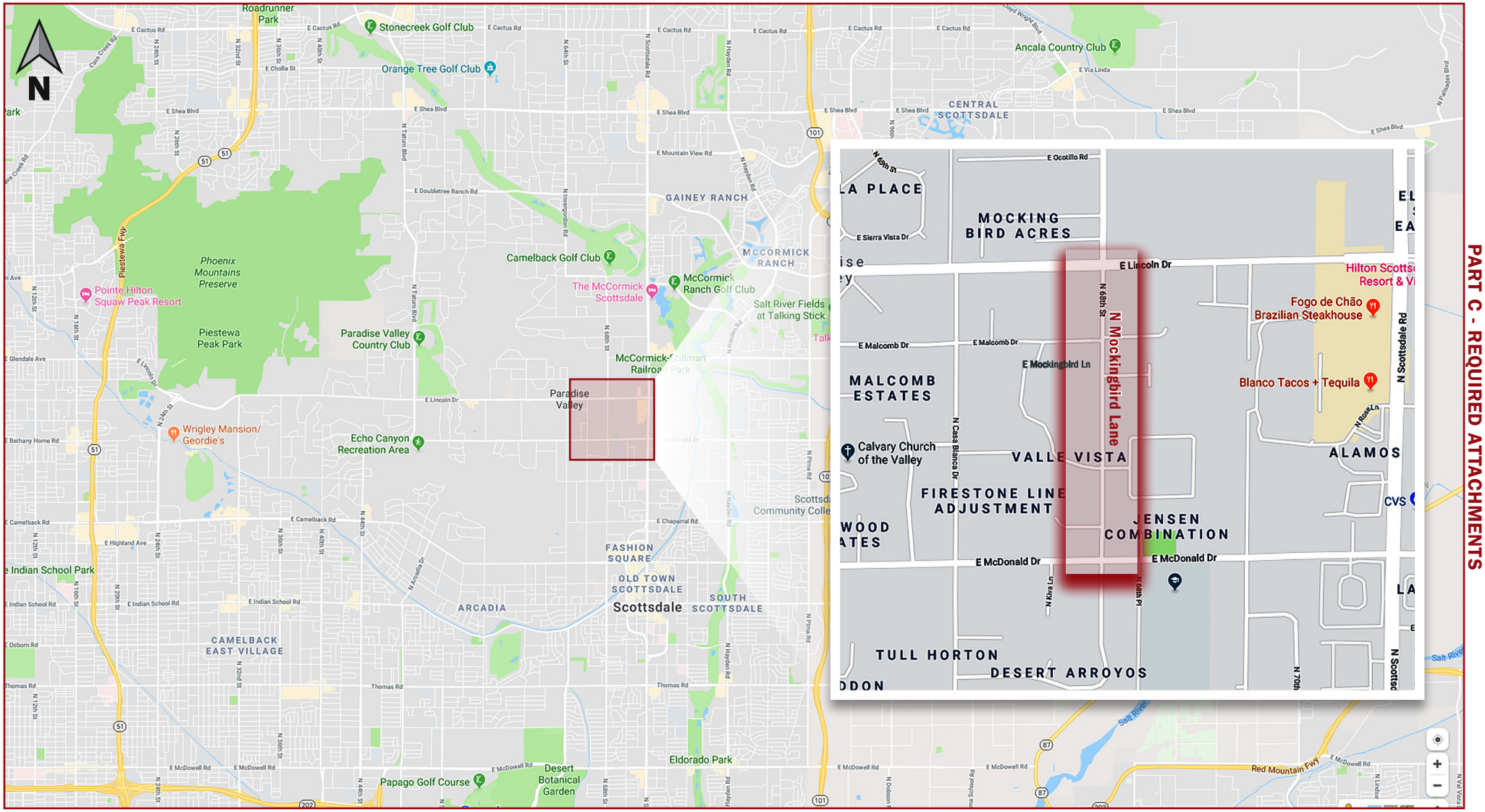
COVER SHEET	**Complete?**
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	**Complete?**
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
PART B - Project Description	**Complete?**
Fields 1 - 14 (Project Description) 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.	Yes
(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.	Yes

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

Paradise Valley: Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr

Part F - Checklist

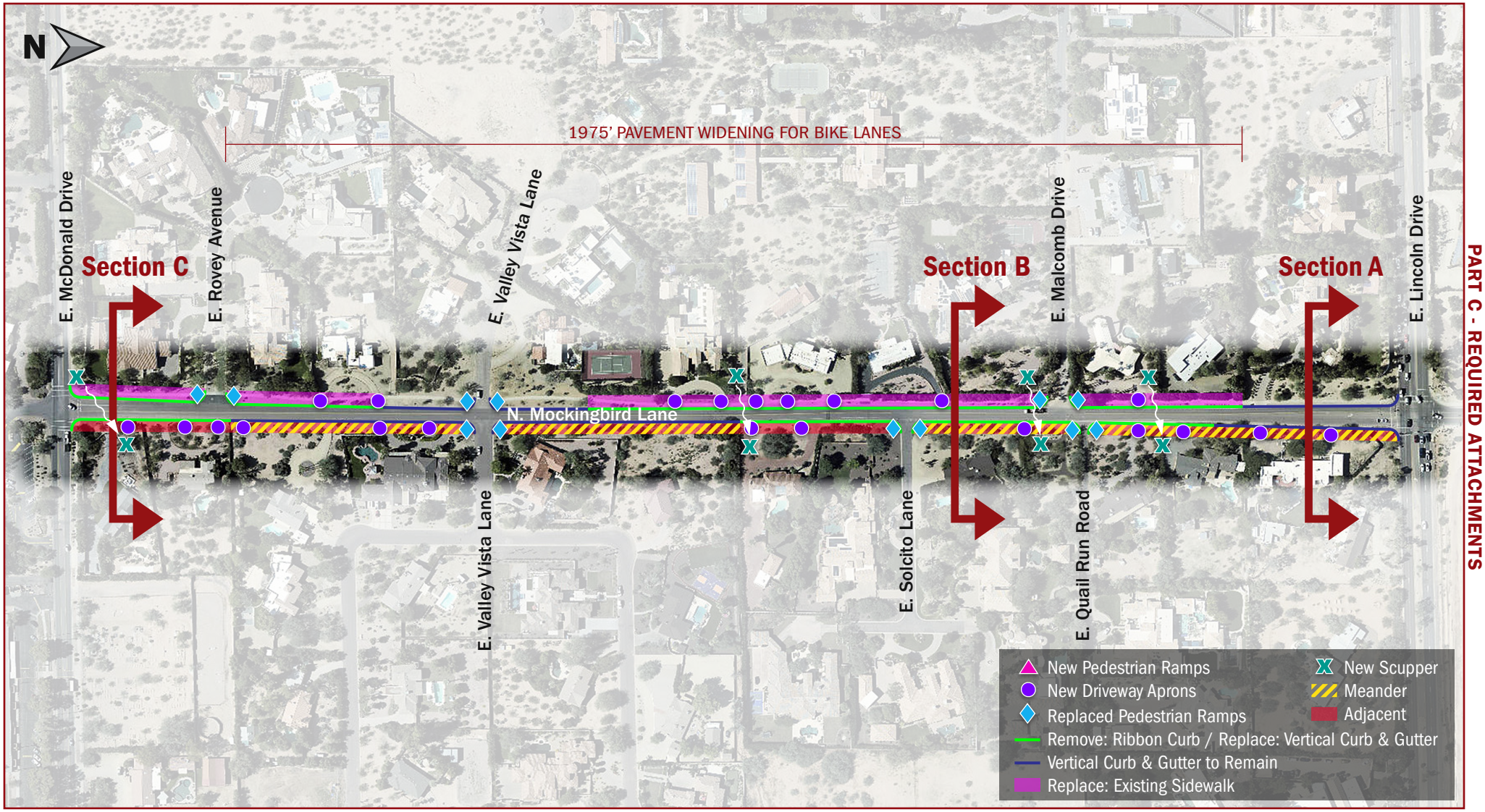
CONSTRUCTION (Applicable for all construction projects; not applicable for procurement projects)	REQUESTED PROGRAMMING (Rows 55-58)	**Complete?**
	Location Description	Yes
	Work Description	Yes
	Funding Source	Yes
	Preferred Year to Program Work	Yes
	UTILITY RELOCATIONS (Required for Budget, May be 0 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	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



Vicinity/Location Map Exhibit
Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr
Town of Paradise Valley, Arizona

N

PART C - REQUIRED ATTACHMENTS



PART C - REQUIRED ATTACHMENTS

Project Map Exhibit
Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr
Town of Paradise Valley, Arizona

N

Looking north on Mockingbird Ln south of Lincoln Dr– drainage issue, install vertical curb/gutter and replace meandering sidewalk.

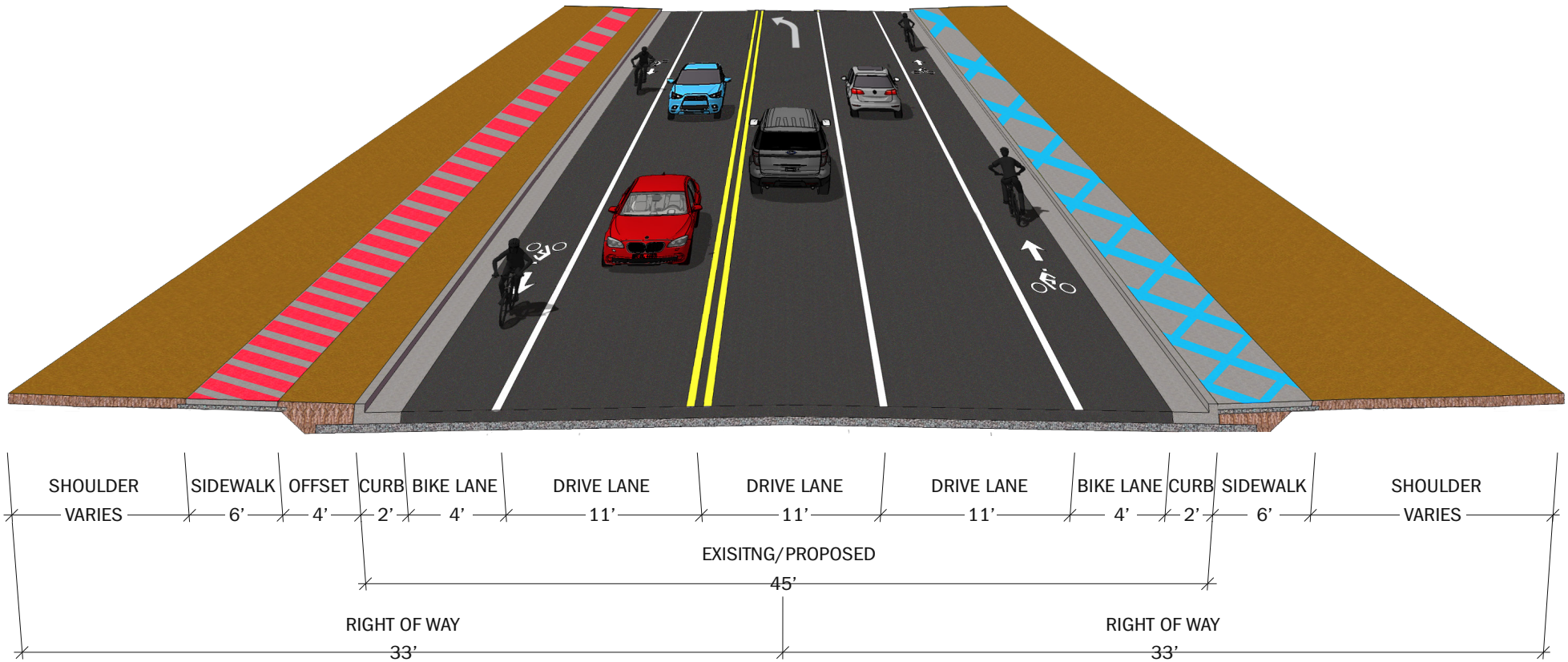
Looking north on Mockingbird Ln at Lincoln Dr – add adjacent sidewalk and bike lane markings.

Photographs for:
Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr, Town of Paradise Valley, AZ

Looking north on Mockingbird Ln south of Lincoln Dr– remove berm, install vertical curb/gutter, and adjacent sidewalk.

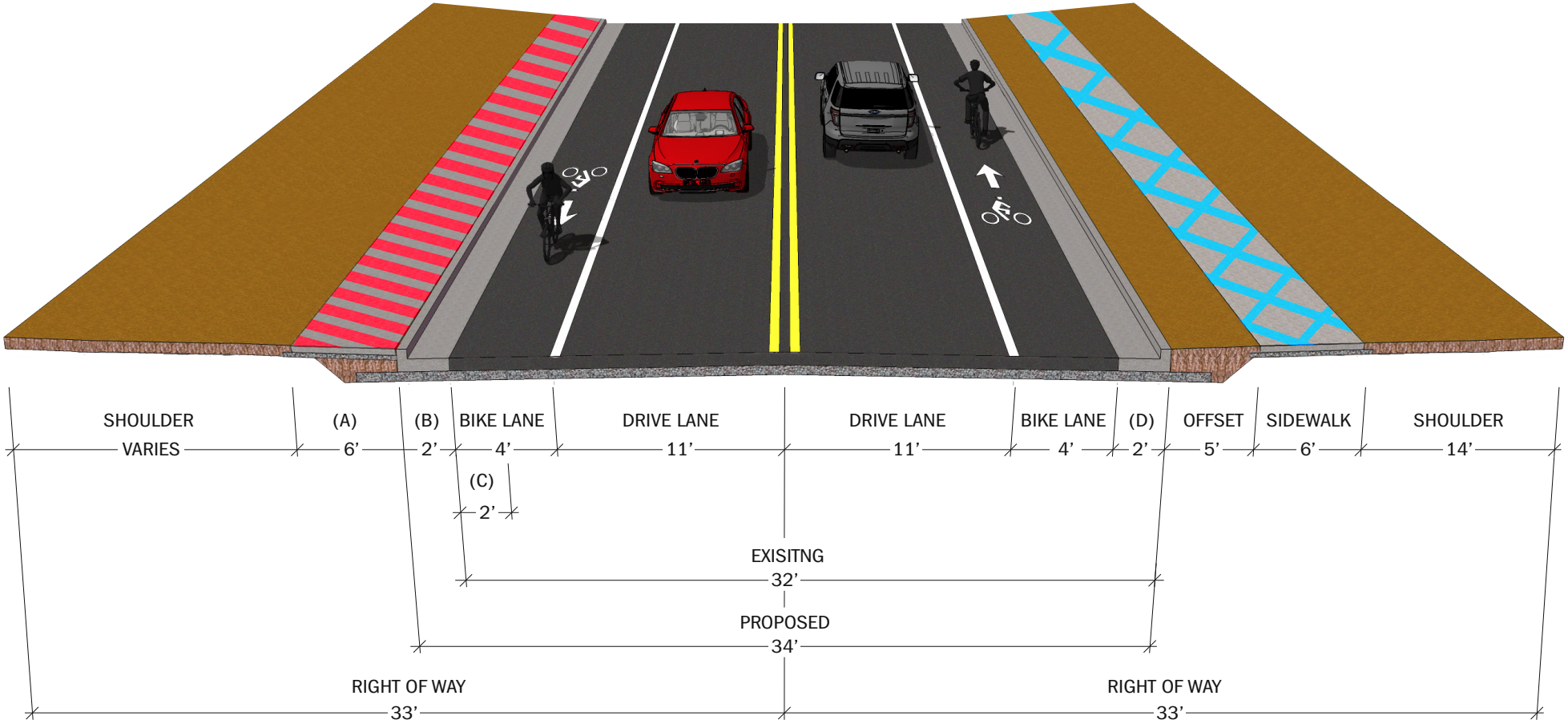
Looking south on the west side of Mockingbird Ln – replace pedestrian ramp, driveway apron, and offset sidewalk.

Photographs for:
Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr, Town of Paradise Valley, AZ



Section A-A | Existing/Proposed
Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr
Town of Paradise Valley, Arizona

N

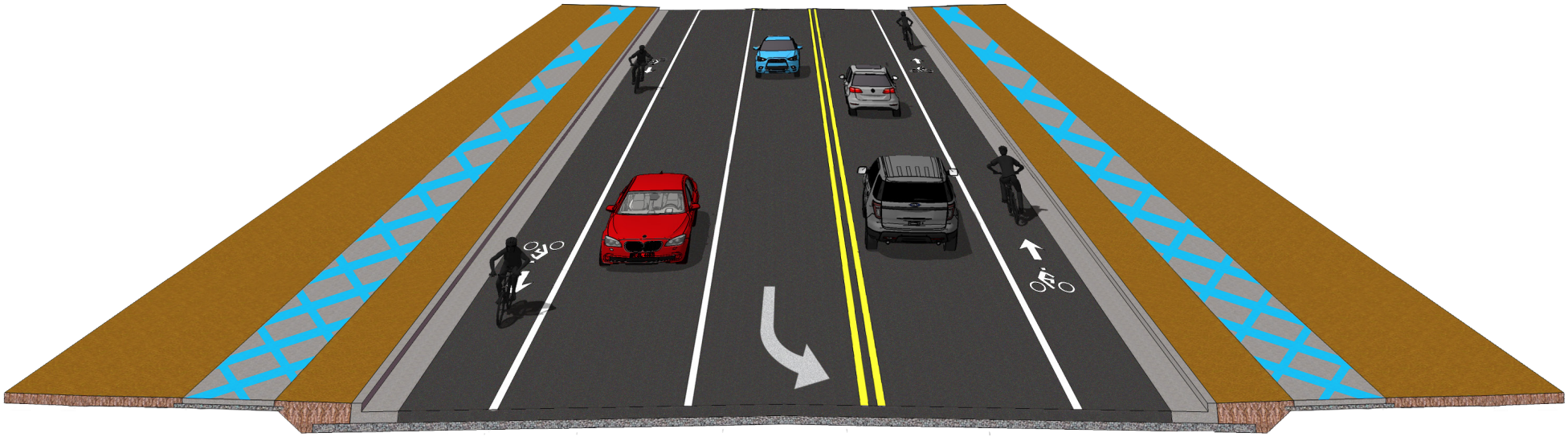


(A) REPLACE EXISTING SIDEWALK.
(B) CONSTRUCT NEW CURB & GUTTER.
(C) REMOVE RIBBON CURB AND REPLACE WITH PAVEMENT.
(D) REMOVE RIBBON CURB AND CONSTRUCT CURB & GUTTER.

Proposed Existing

Section B-B | Existing/Proposed
Mockingbird Ln Improvements: Lincoln Dr to McDonald Dr
Town of Paradise Valley, Arizona

N



SHOULDER	SIDEWALK	OFFSET	(A)	BIKE LANE	DRIVE LANE	DRIVE LANE	DRIVE LANE	BIKE LANE	(A)	SHOULDER
VARIES	6’	4’	2’	4’	11’	11’	11’	4’	2’	VARIES

EXISITNG/PROPOSED
45’

RIGHT OF WAY
40’

RIGHT OF WAY
33’

(A) REMOVE RIBBON CURB AND CONSTRUCT CURB & GUTTER.

Proposed Existing

Section C-C | Existing/Proposed
Mockingbird Ln Improvements: McDonald Dr to Lincoln Dr
Town of Paradise Valley, Arizona

N

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.

The Town has listened to our residents and has programmed the sidewalk project to make bicycling and walking safer in our community. Mockingbird Ln, north of Lincoln Dr, is planned for construction next year to include new bike lanes and meandering sidewalks, which leaves pedestrians and cyclists heading south along Mockingbird Ln to encounter a sidewalk, south of Lincoln Dr, that is outdated and not up to today's standards.

This project would provide sidewalk continuity from Lincoln Dr to McDonald Dr. One of our oldest schools, Kiva Elementary School is a K-5 school, located at the south end of the project. This project will benefit the school, families, and overall, our community.

The Town is committed to installing a new sidewalk on Mockingbird Ln from Lincoln Dr to McDonald Dr pending favorable award of grant application.

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

Sincerely,

Jerry Bien-Willner
Mayor

Enclosure(s):
CIP Project Sheet, 1 page

Capital Improvement Plan

2020 *thru* 2024

Town of Paradise Valley, Arizona

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

Project # **2018-03**
Project Name **Mockingbird Ln Improvements: Lincoln - McDonald Dr**

Description

Project includes the addition of vertical curb and gutter as well as sidewalk adjustments to complete the roadway cross section.

Justification

General Plan Implementation Measures: 4.5-1.11
Mitigate roadway erosion, replace several driveways, adjust sidewalk elevation.

Expenditures	2020	2021	2022	2023	2024	Total
Planning/Design					10,000	10,000
Construction					190,000	190,000
Total					**200,000**	**200,000**

Funding Sources	2020	2021	2022	2023	2024	Total
Town of Paradise Valley					200,000	200,000
Total					**200,000**	**200,000**

Budget Impact/Other

Public Works maintenance costs may increase due to additional curb. However, these costs may be offset by reduction in cleanup after storm events.

KIVA

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 1957 and is the third oldest school in the Scottsdale Unified School District. We currently serve 582 students in our K-5 school. Up until recent years, McDonald Dr. did not have sidewalks for parents to bring their children to school, so they walked along the back of curb or in the street. We are located at the southeast corner of Mockingbird Ln and McDonald Dr. which is the south end of the project. Though Mockingbird Ln may have a sidewalk on one side of the street, it is desirable for our families leaving school to be able to walk on the proper side of the road with traffic. Currently, the Town has only programmed sidewalk adjustments for the existing sidewalk on Mockingbird Ln in order to bring the sidewalk up to current standards. If this project receives CMAQ/TA funding, the Town has committed to installing a new sidewalk on Mockingbird Ln from Lincoln Dr. to McDonald Dr.

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

Sincerely,

Alice Spingola

Alice Spingola
Principal

KIVA ELEMENTARY SCHOOL
6911 E. McDonald Drive, Paradise Valley, Arizona 85253 | (480) 484-2200

susd.org/kiva