

# Mockingbird Ln Improvements 56<sup>th</sup> St to Invergordon Rd

CIP Project Nos. 2021-03 (Roadway)  
2021-12 (Drainage)

Project Update

November 10, 2022





# Agenda

- Project Overview
- Project Funding
- Project Considerations
- Public Outreach
- Roadway Cross-Section
- Roll Plot (Concept)
- Next Steps
- Staff Request
- Questions & Discussion





# Project Overview

Project was first identified in the Town's Capital Improvement Program (CIP) in 2018.

- Drainage improvements identified as part of Lower Indian Bend Wash Area Drainage Master Plan completed by Flood Control District of Maricopa County (FCD) in Dec 2017
- Roadway segment is a mill and overlay candidate (Pavement Condition Index = 64.7, Feb 2019)
- Drainage Design Concept Report completed by the Town as part of roadway project assessment in 2020
- Complete improvements concurrent to or after the City of Phoenix water main replacement

Town evaluation includes:

- Analysis of stormwater management  
Return on Investment (ROI) analysis presented to Town Council on Mar 10, 2022
- Identification of areas for compliance with Americans with Disabilities Act (ADA)
- Roadway alignment and identification of existing sidewalks and potential additions

Scope of Work

- Installation of new storm drain system
- Full-width asphalt mill and overlay & restriping with bike lanes
- New sidewalk on the south side of the road
- • Traffic calming measures to be evaluated
- • Scoping phase includes public participation and Town Council input



# Project Funding

## Mockingbird Ln Storm Drain: 56<sup>th</sup> St to Invergordon Rd

<b>Prior</b>	<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
100,000	Professional Services	480,000					480,000
<b>Total</b>	Construction			6,400,000			6,400,000
	Construction Admin			300,000			300,000
	<b>Total</b>	<b>480,000</b>		<b>6,700,000</b>			<b>7,180,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
100,000	Flood Control District			3,350,000			3,350,000
<b>Total</b>	Town of Paradise Valley	480,000		3,350,000			3,830,000
	<b>Total</b>	<b>480,000</b>		<b>6,700,000</b>			<b>7,180,000</b>

### Flood Control District

- 50% of Design & Construction Cost

### Town

- 50% of Design & Construction Cost



# Project Funding

## Mockingbird Ln: 56<sup>th</sup> St to Invergordon Rd

<b>Expenditures</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Professional Services	50,000					50,000
Land/ROW	25,000					25,000
Construction			1,200,000			1,200,000
Construction Admin			25,000			25,000
<b>Total</b>	<b>75,000</b>		<b>1,225,000</b>			<b>1,300,000</b>

<b>Funding Sources</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
Town of Paradise Valley	75,000		1,225,000			1,300,000
<b>Total</b>	<b>75,000</b>		<b>1,225,000</b>			<b>1,300,000</b>

## Town

- 100% of Design & Construction Cost



# Project Considerations

- Public Outreach
- Historical Drainage Patterns
- General Plan / Roadway Classification (Collector)
- Engineering Design Standards & Guidelines
  - Roadway Geometry
  - Stormwater Management
  - ➔ • Traffic Calming
- Maintenance
  - Landscape by Property Owners
  - Sidewalk by Town
- Right of Way / Easements
- Utility Adjustments / Relocations
- Environmental



Looking west along Mockingbird Ln



# Public Outreach

## Traffic Calming

### Considerations / Challenges / Solutions

- **Roundabouts & Median Islands**  
Additional Right-of-Way Required
- **Chicanes**
- **Stop sign(s)**  
Warrant Criteria
- **Speed humps / tables**  
Only permitted on residential streets
- **Speed feedback sign(s)**  
Solution that can be installed
- **Other Solutions to reduce speeds:**
  - Concrete Crossings (Illusion of raised or recessed)
  - Narrowing of Drive Lanes (Wider Bike Lanes)
  - Photo Enforcement (Van or Portable Unit)



Speed  
Feedback  
Sign



Chicanes on Sweetwater Ave, East of Hayden Rd



Concrete Crossing (north of Indian Bend Rd)



# Public Outreach

## Traffic Calming

### Considerations / Challenges / Solutions

- **Photo Enforcement**
  - Van on rotational assignment upon request
  - Portable Units (Near School Zones, deployed 9/1/2022)
- **Request for Neighborhood Traffic Mitigation**
  - Residents submit form to the town (liaison)
  - Includes names and addresses of properties affected





# Public Outreach

## Ways to stay informed about the project

- Website: <https://alertpv.us/cip>
- Capital Project Notices (text & email listserv): <https://alertpv.us/rcv> (town-wide public notices)
- Email listserv (Mockingbird Ln residents & other interested individuals) (must opt-in by emailing Project Manager)
  - Advantages: Email notification when project website has been updated with new content
  - Email in addition to mailer (hard copy) for Open Houses
  - Advance notification when staff plans to present project update(s) to Town Council
- Project Hotline: 480-348-3622
- Project Manager: Jason Harris, [jharris@paradisevalleyaz.gov](mailto:jharris@paradisevalleyaz.gov)



# Roadway Cross-Section

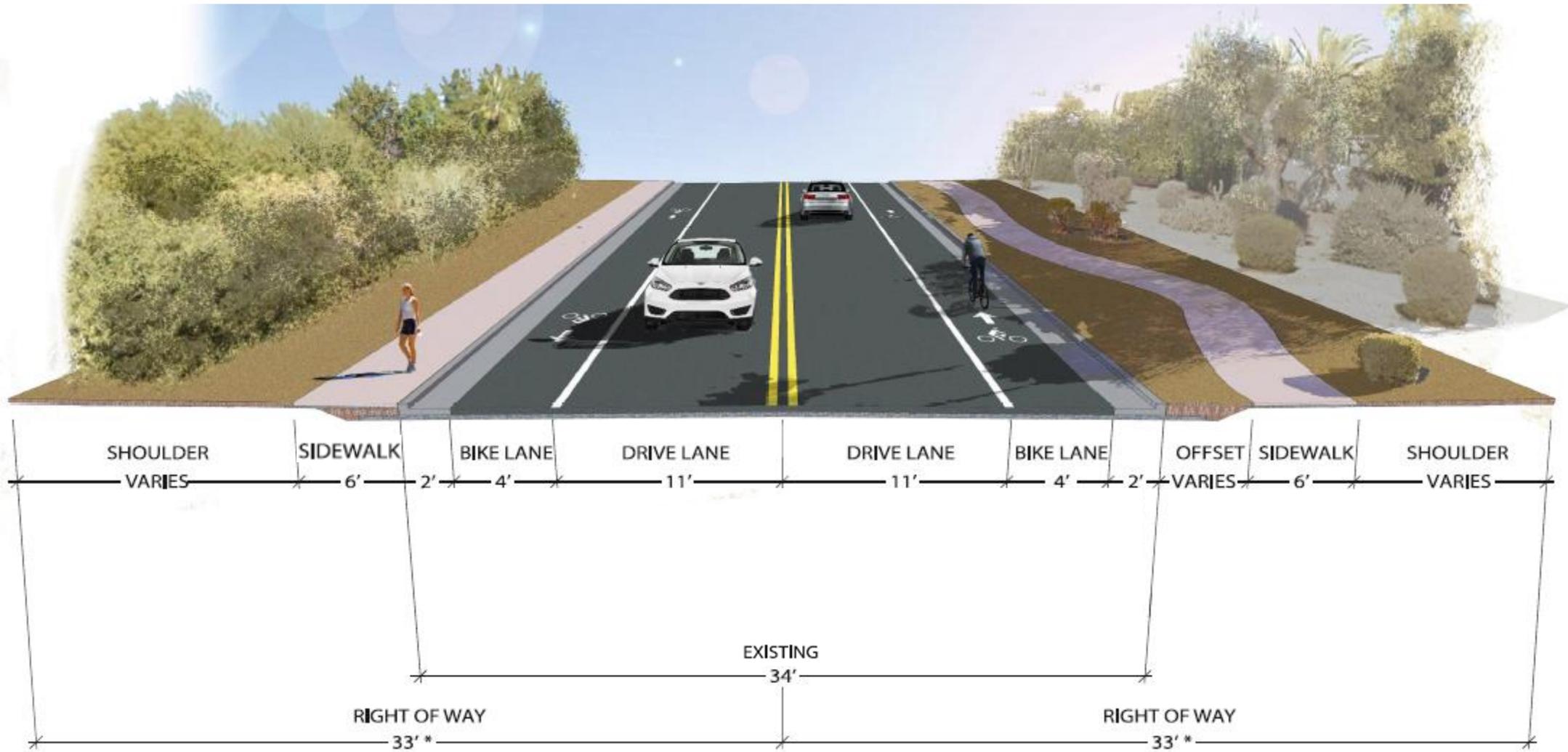


Illustration: Sidewalk attached to curb (left)

Sidewalk detached from curb (right)

\*A few areas are more or less than 33'

See Roll Plot (Concept) where sidewalk is proposed to be attached or detached



# Roadway Cross-Section

## Considerations

### Installation of Chicanes

- Existing pavement width
- Spot widening road, maintain 6' bike lanes
- Landscapable area within chicanes minimum 7' width where possible
- Existing driveway access
- Existing utilities, avoid potential conflicts
- Approximate 600' spacing between traffic control devices (concrete crossings, chicanes, etc.)



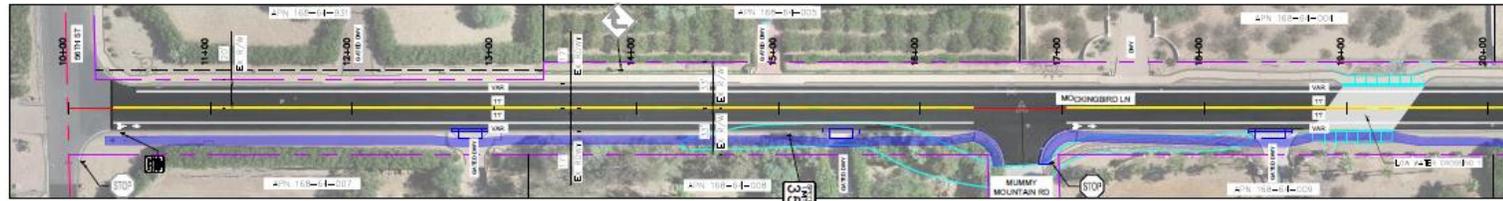
Illustration: based on proposed chicanes at approximate stationing 33+00  
See Roll Plot (Concept) for locations of chicanes



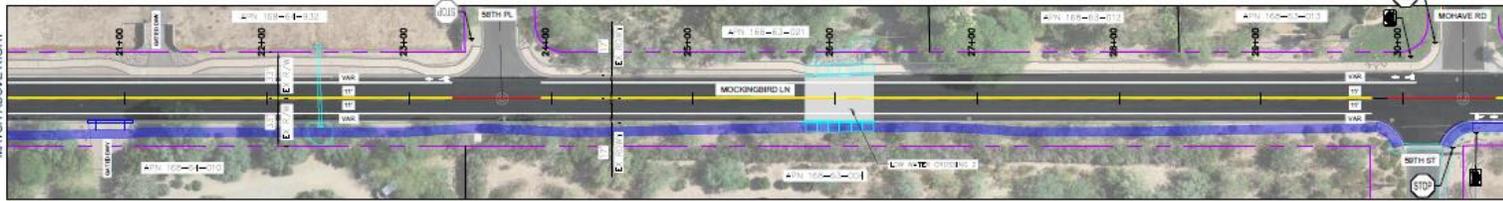
# Roll Plot (Concept)

See Separate Attachment (PDF)

Slide 13



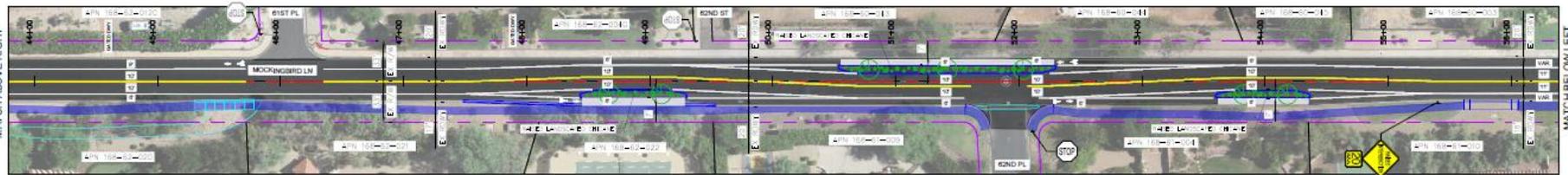
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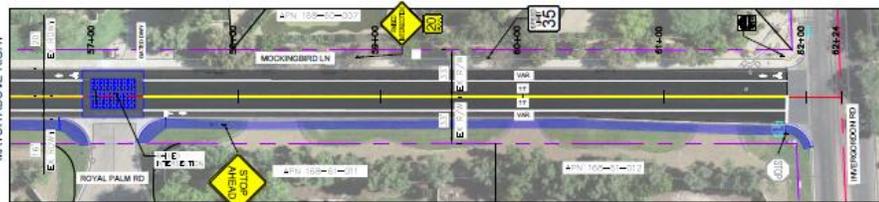
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Slide 17



**LEGEND**

- EXIST FIRE HYDRANT
- EXIST MAIL BOX
- EXIST RIGHT-OF-WAY
- EXIST MONUMENT LINE
- EXIST DRIVEWAY
- PROPOSED ROADWAY IMPROVEMENTS
- PROPOSED CONCRETE FORD
- PROPOSED CONCRETE SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENTS
- EXISTING DRAINAGE FEATURES

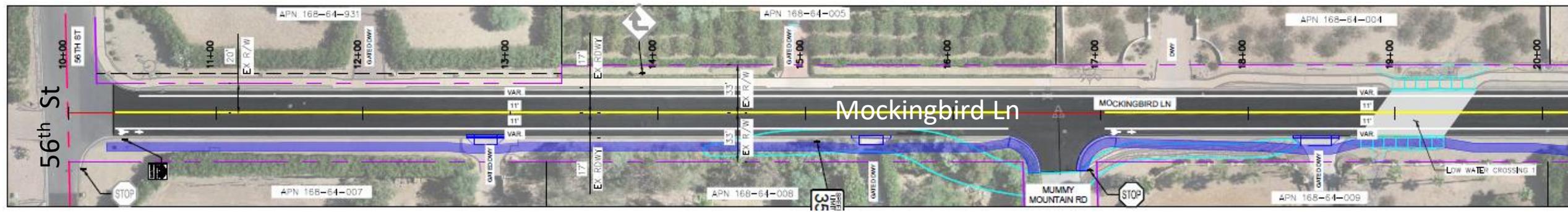
NORTH

MOCKINGBIRD LANE 56TH STREET  
TO INVERGORDON RD  
TRAFFIC CALMING CONCEPT PLAN  
11-1-22

GRAPHIC SCALE IN FEET  
0 40 80 160



# Roll Plot (Concept)



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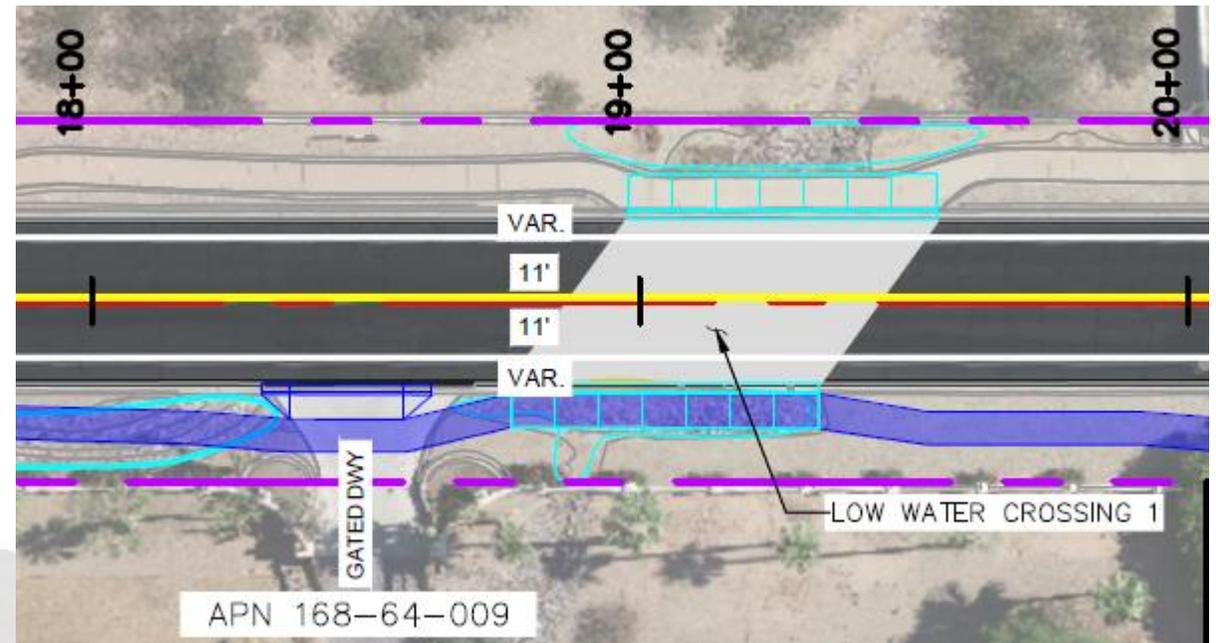
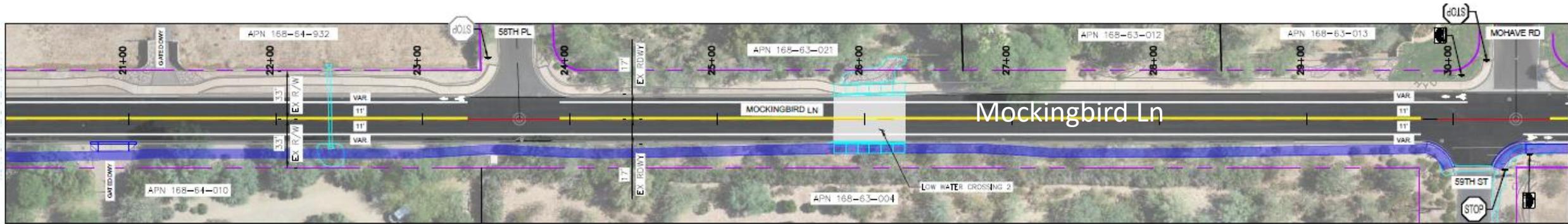


Illustration: Low Water Crossing



# Roll Plot (Concept)



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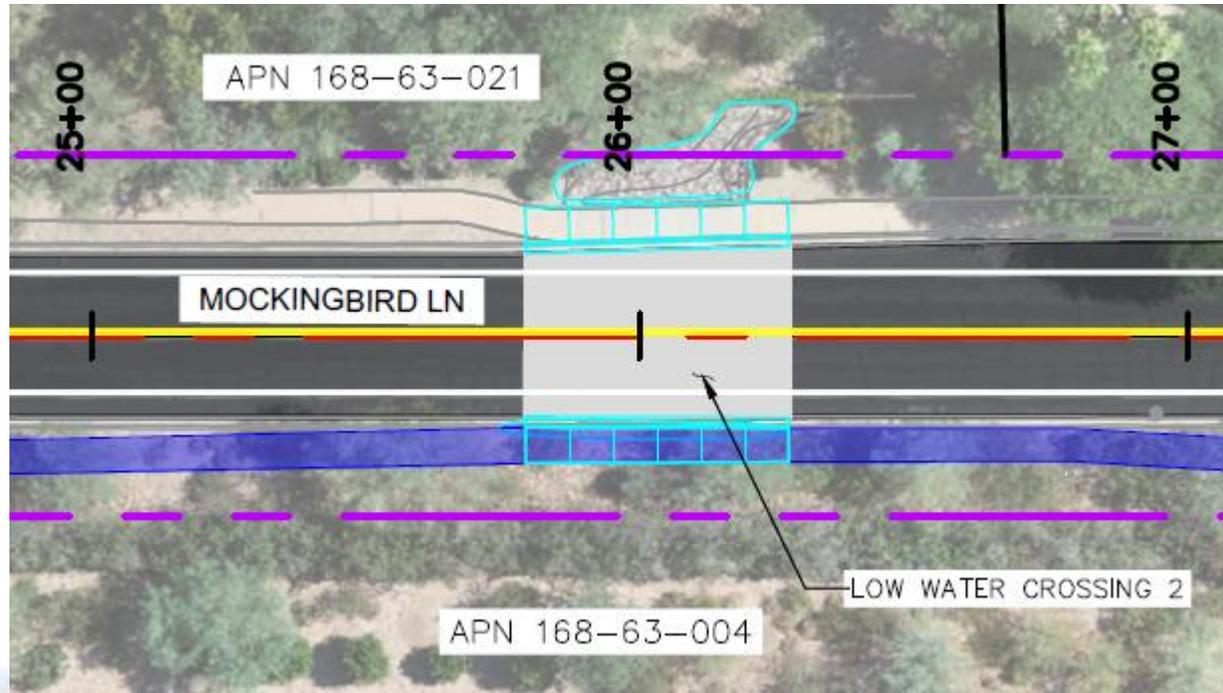


Illustration: Low Water Crossing



# Roll Plot (Concept)

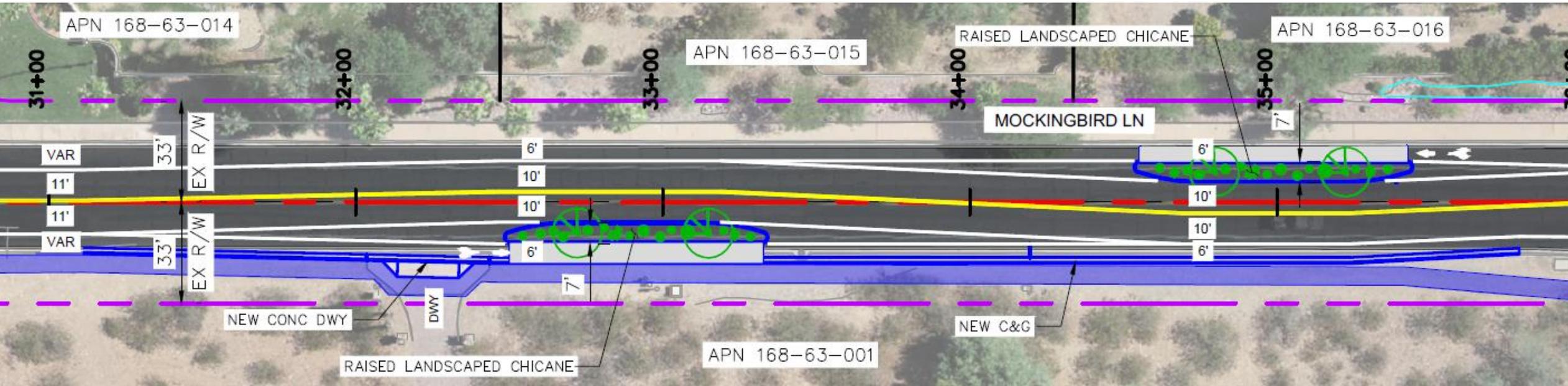
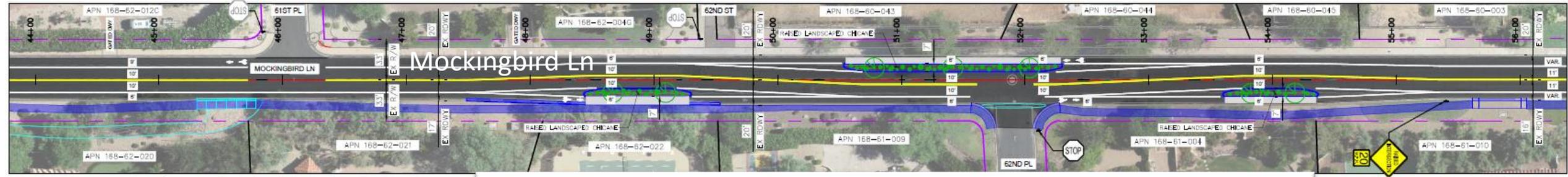


Illustration: Proposed chicanes

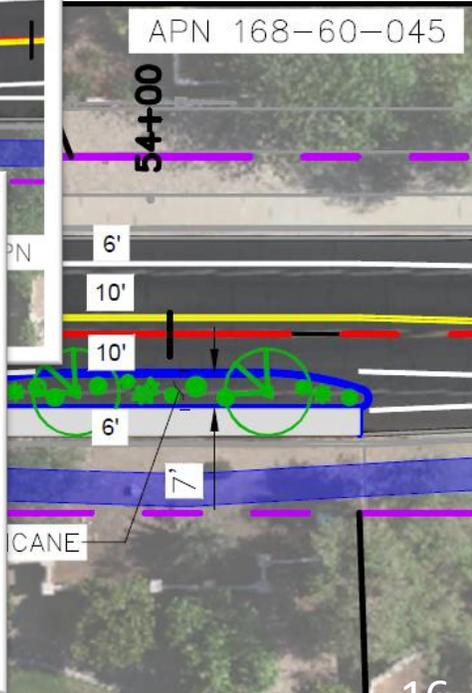
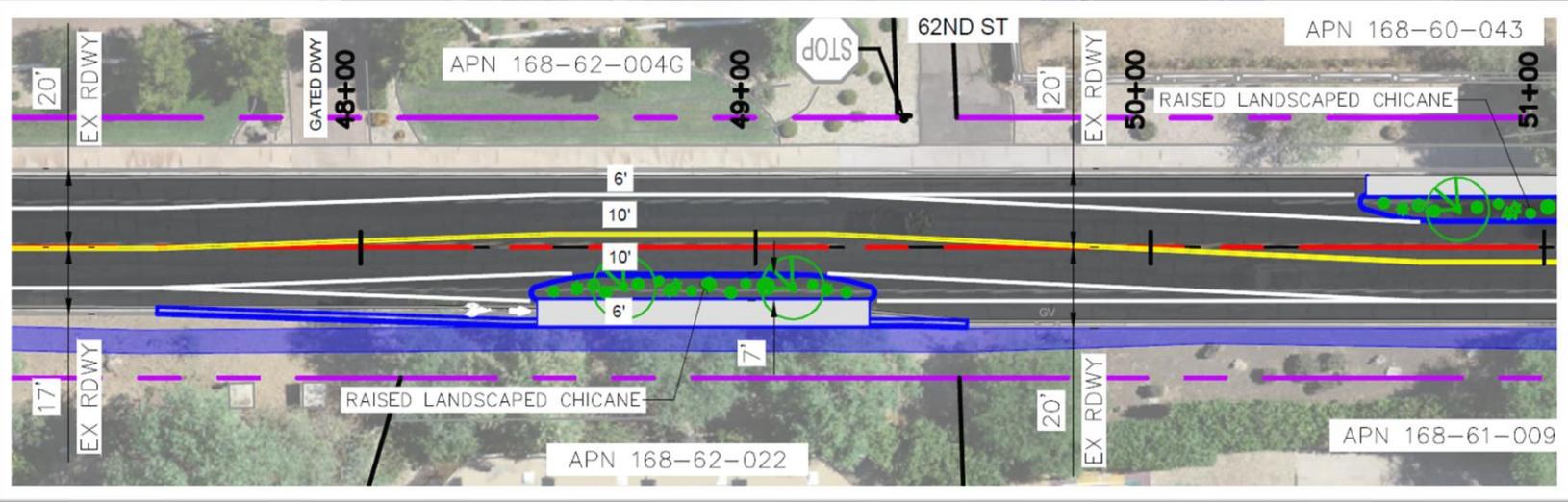
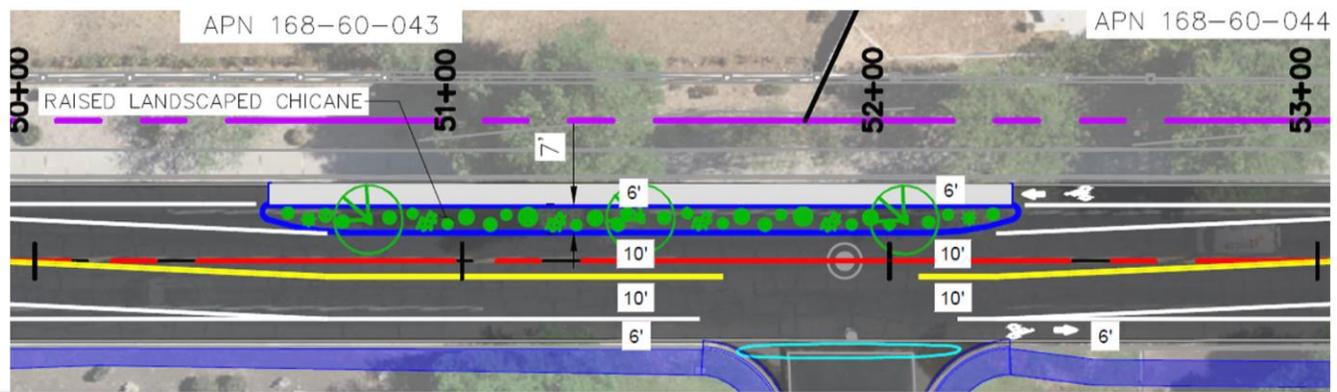


# Roll Plot (Concept)



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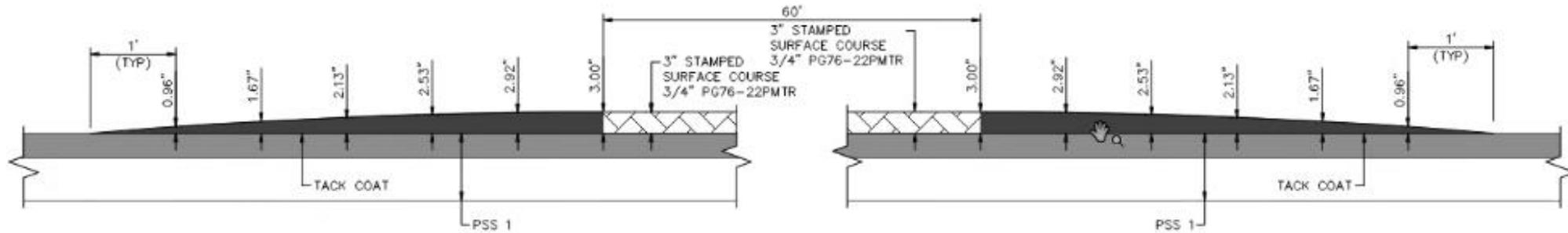


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## RAISED INTERSECTION IMPROVEMENT DETAIL

Illustration: 3" Raised Intersection



## PARABOLIC TRANSITION DETAIL

SCALE: 1"=1'



# Roll Plot (Concept)

Example: 6" Raised Intersection (not recommended for this project)





# Next Steps

Tentative schedule as follows:

- Oct 2022 Intergovernmental Agreement – Flood Control District
- Nov 2022 Town Council Update (input on traffic calming measures)
- Nov/Dec 2022 Public Meeting #1 (preliminary concepts)
- TBD 2023 Town Council Update (scoping update)
- Spring 2023 Start Utility Relocation

## **SCHEDULE (as of Nov 2022)**

Phase	Scoping	Design	Utility Relocate Up to 18 months	Temporary Easements	Construction
Start	May 2022	Dec 2022	Nov 2022	May 2023	May 2024



# Staff Request

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Staff's recommendation is to:

- A. Obtain direction and input from Town Council on the chicane layout and offset from curb face based on 6' bike lane between curb and chicane.
- B. Proceed with scoping phase and initiate public outreach efforts for minor roadway widening, bike lanes, sidewalks on both sides of roadway, and chicanes.





# Questions & Discussion

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