



# Silver Star Road

Complete Streets & Concept Development

CITY OF OCOEE COMMISSION MEETING

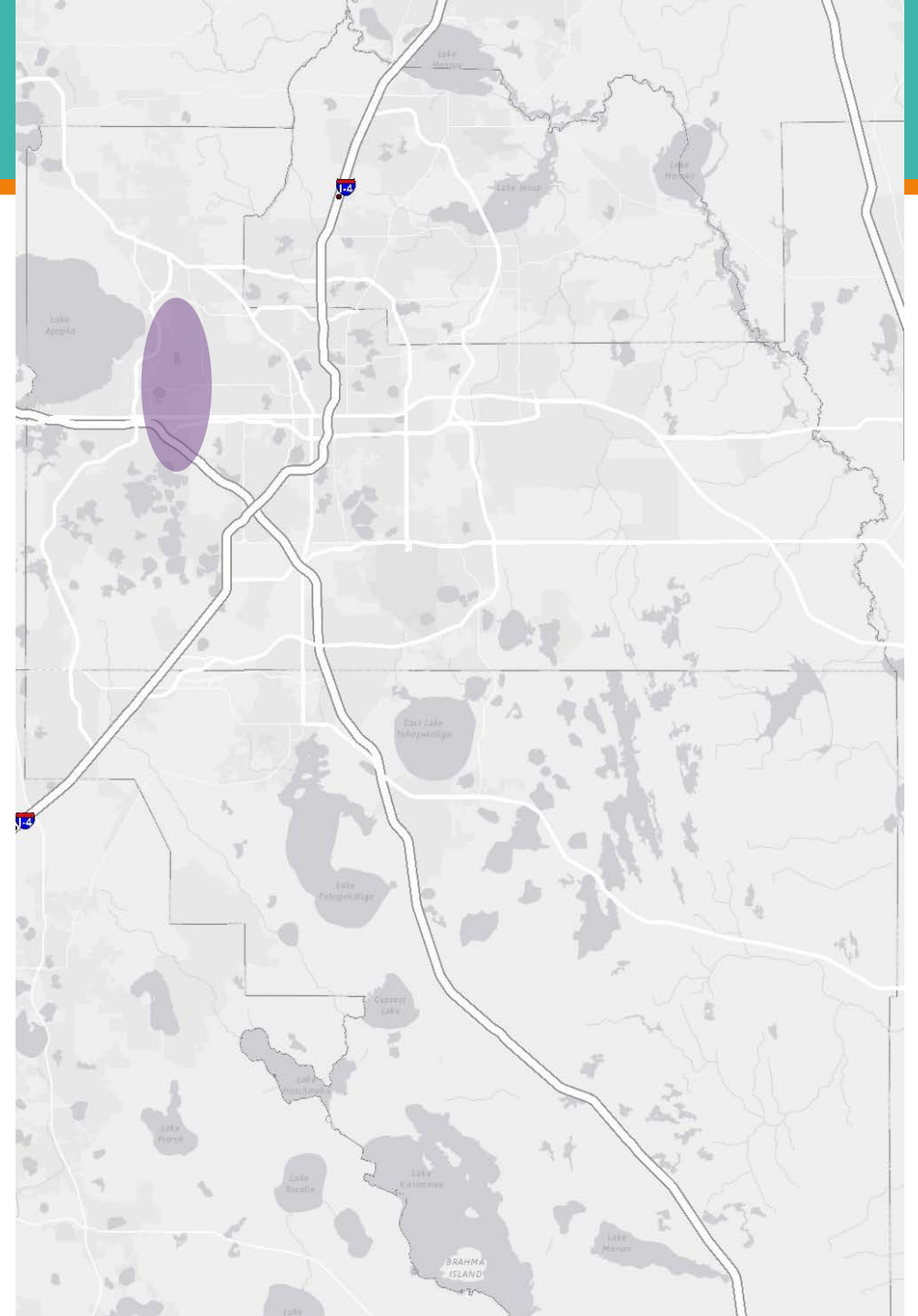
April 2019

# Project Purpose and Study Area

## Project Purpose

1. Improves traffic operations & network connectivity
2. Enhances community & development opportunities

## STUDY AREA MAP



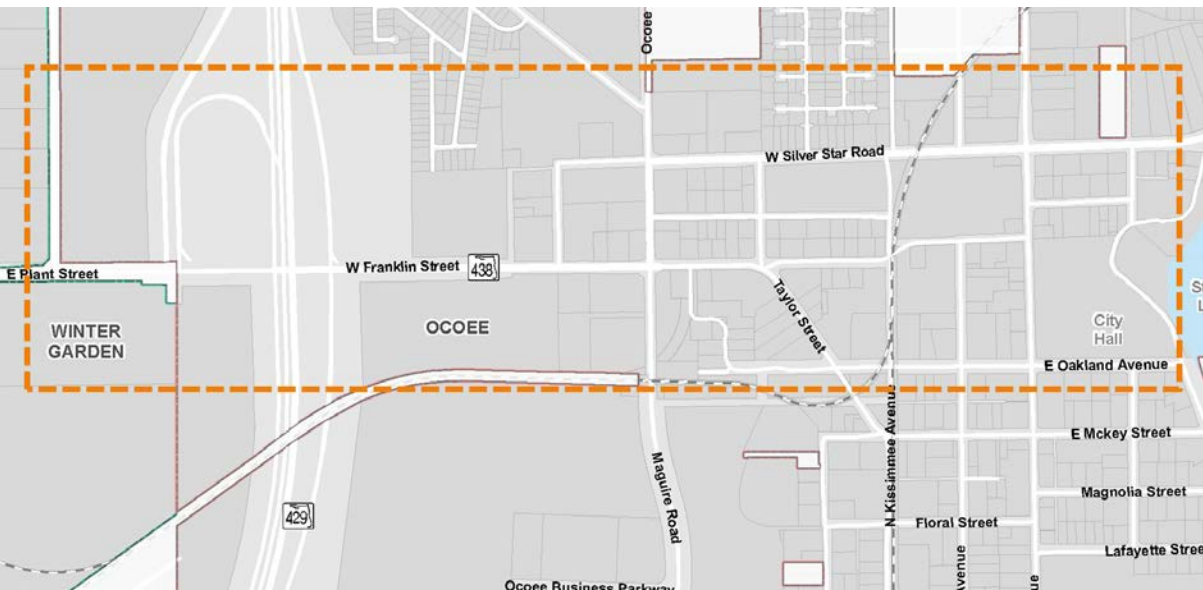


# Project Purpose and Study Area

## Project Purpose

1. Improves traffic operations & network connectivity
2. Enhances community & development opportunities

## STUDY AREA MAP



## LIMITED FREIGHT ACCOMMODATION



## PEAK HOUR CONGESTION



## LACK OF BIKE FACILITIES



## LACK OF SIDEWALKS



# Downtown Ocoee Master Plan



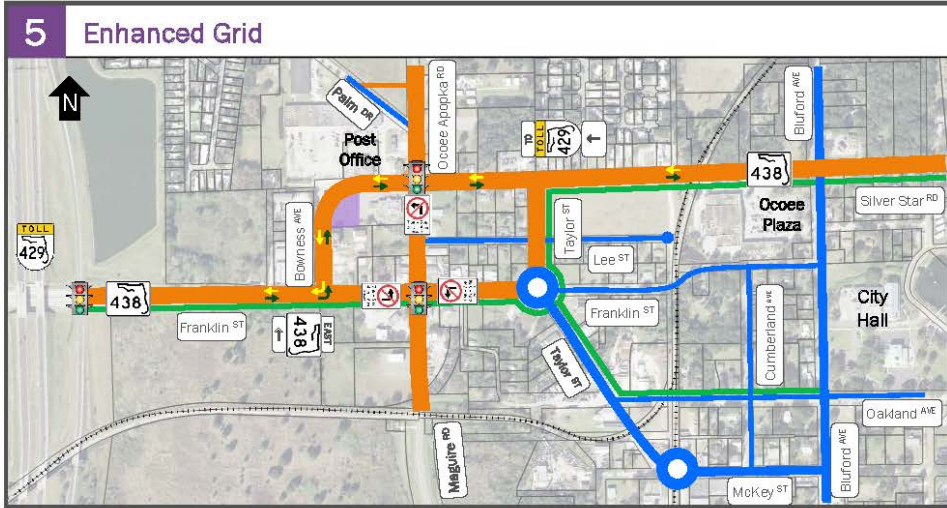
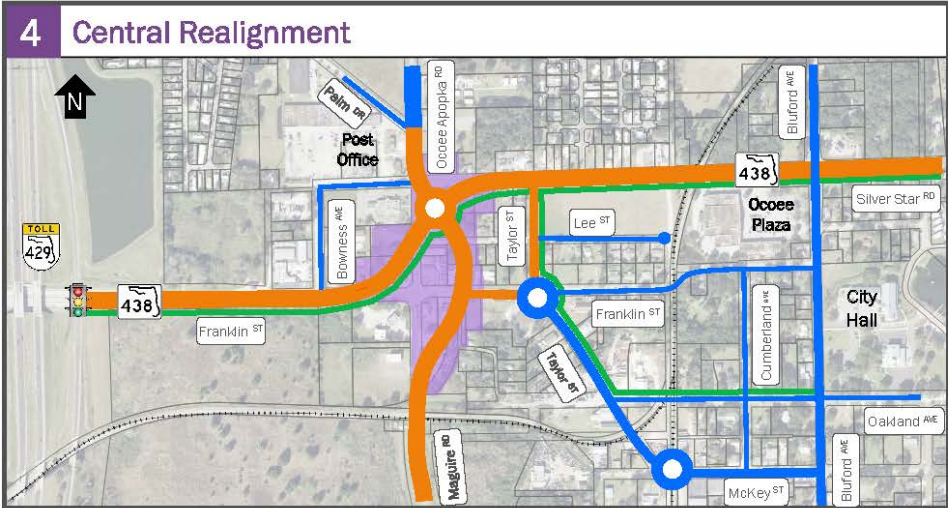
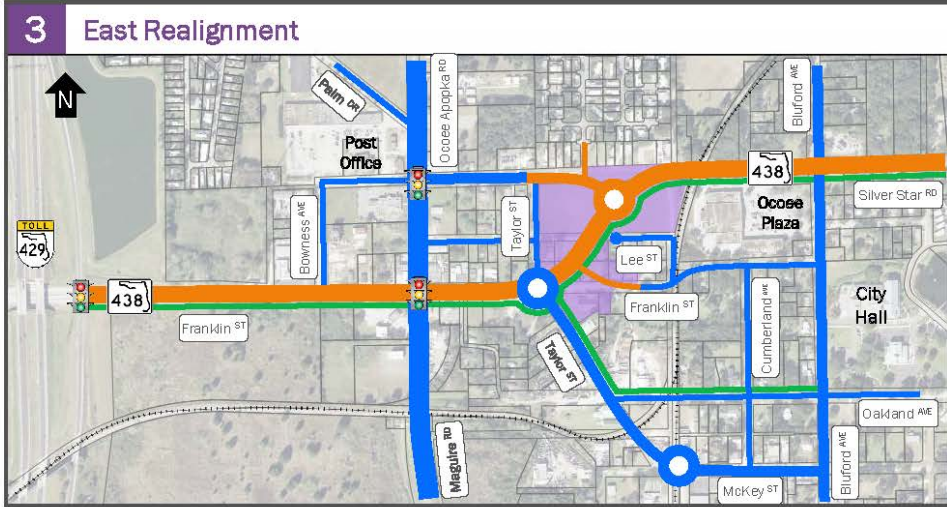
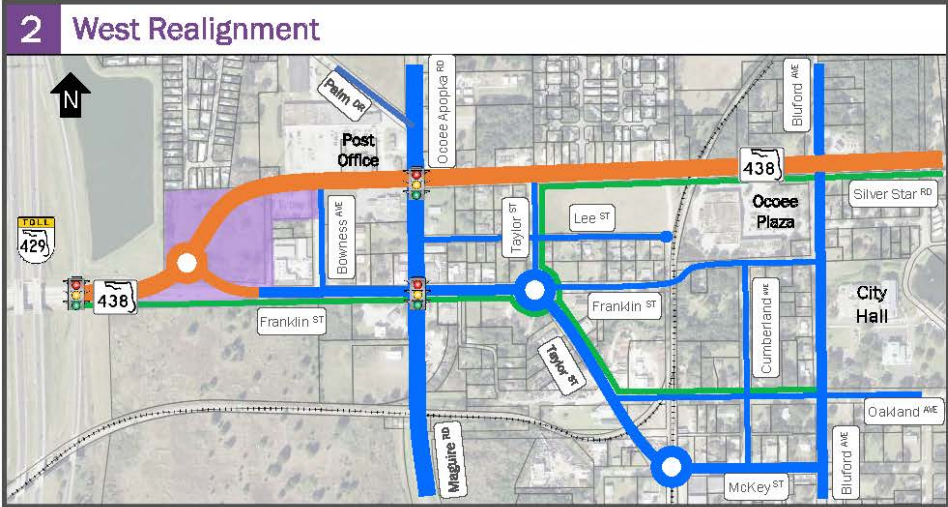
FUTURE  
DEVELOPMENT

An aerial rendering of the Downtown Ocoee Master Plan. The image shows a mix of residential and commercial buildings, green spaces, and a waterfront area. Two orange callout boxes highlight areas designated for future development. The background is a soft-focus aerial view of the town, with various building styles and landscaping visible.

FUTURE DEVELOPMENT











































































# Build Alternatives



**LEGEND**

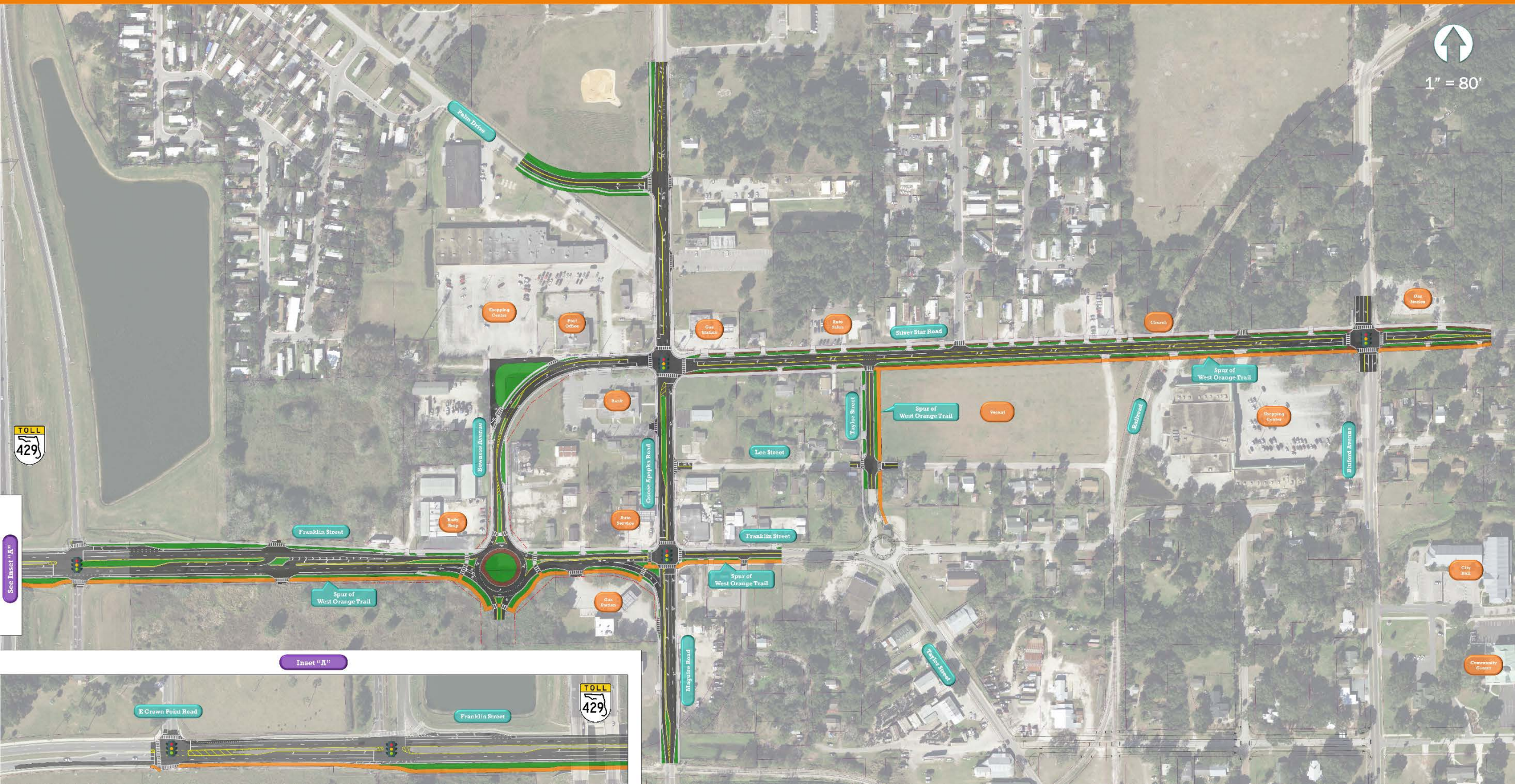
- PLANNED ROUNDABOUT
- POTENTIAL ROUNDABOUT
- PARCELS LIKELY IMPACTED DUE TO REALIGNMENT
- POTENTIAL TRAIL CONNECTION

EVALUATION MATRIX		1	2	3	4	5
		No Build	West Realignment	East Realignment	Central Realignment	Enhanced Grid
Traffic Operations & Network Connectivity						
	Maximize roadway network utilizing existing right-of-way					
	Reduce congestion and improve movements on SR 438 and Ocoee Apopka Road					
	Facilitate freight traffic while minimizing impacts to Downtown Ocoee					
	Promote traffic calming and bicycle/pedestrian mobility					
	Connect West Orange Trail to Downtown Ocoee and completion of the regional trail system					
Community Enhancement & Economic Development						
	Enhance connectivity to Downtown Ocoee					
	Provide enhanced aesthetics and gateway opportunities to Downtown Ocoee					
	Limit impacts to developable lands near Downtown Ocoee					
Ease of Implementation & Potential Impacts						
	Minimize commercial parcel impacts					
	Minimize residential parcel impacts					
	Avoid potential wetland / floodplain impacts					
	Avoid potential impacts to contaminated sites					
Estimate of Probable Costs (in millions of dollars)						
Construction, Design, Survey, & CEI <i>(Estimate based on FDOT construction costs per mile)</i>		\$0.0	\$15.8	\$16.8	\$22.6	\$17.9
Right-of-Way (ROW) <i>(Estimate based on property appraiser market value per parcel)</i>		\$0.0	\$2.3	\$3.0	\$2.7	\$0.6
Total Estimate of Probable Costs		\$0.0	\$18.1	\$19.8	\$25.3	\$18.5



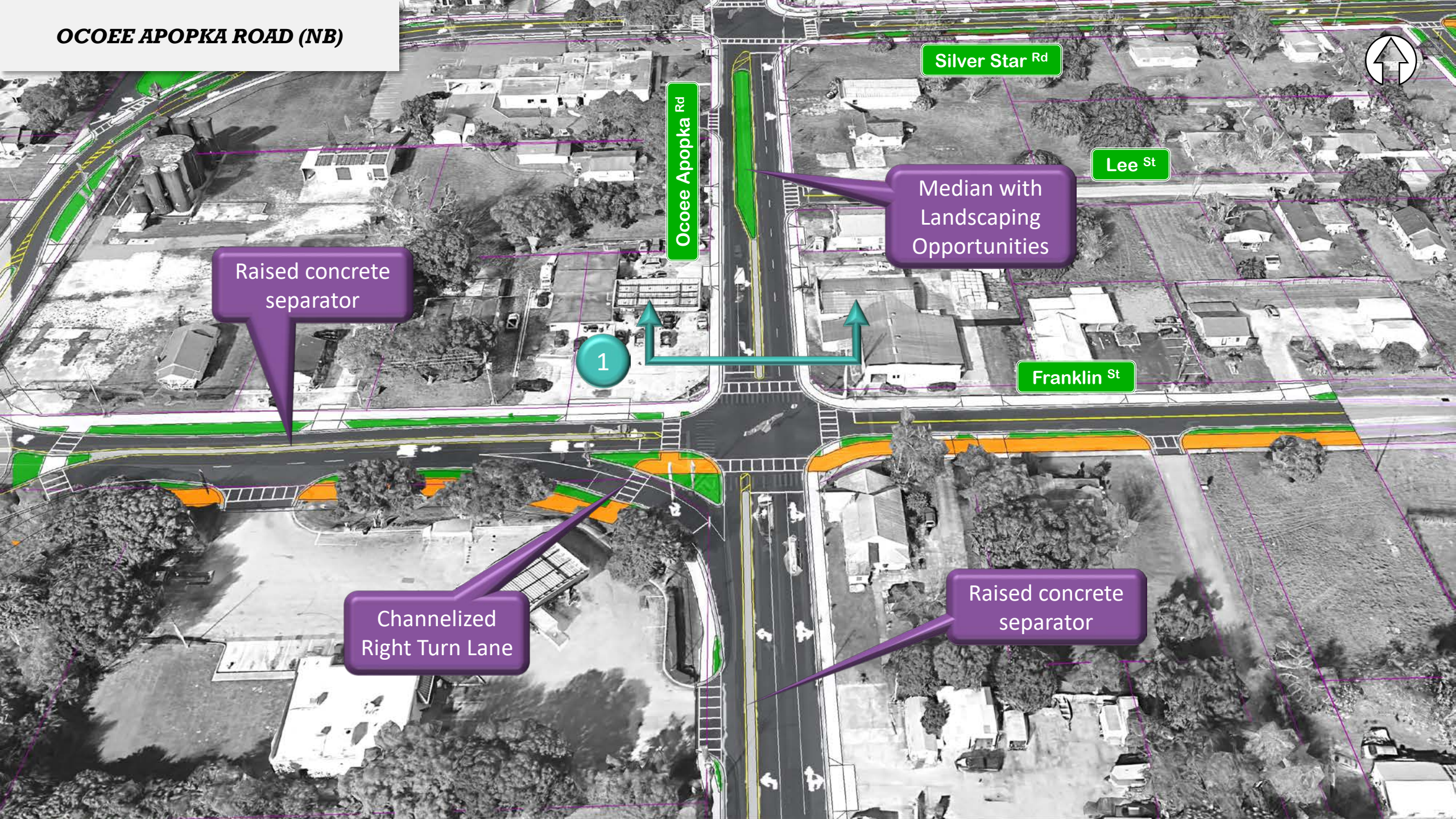
# Preliminary Concept Plan – Enhanced Grid

## Silver Star Road Complete Streets & Concept Development





OCOEE APOPKA ROAD (NB)



Raised concrete separator

1

Ocoee Apopka Rd

Silver Star Rd

Lee St

Median with Landscaping Opportunities

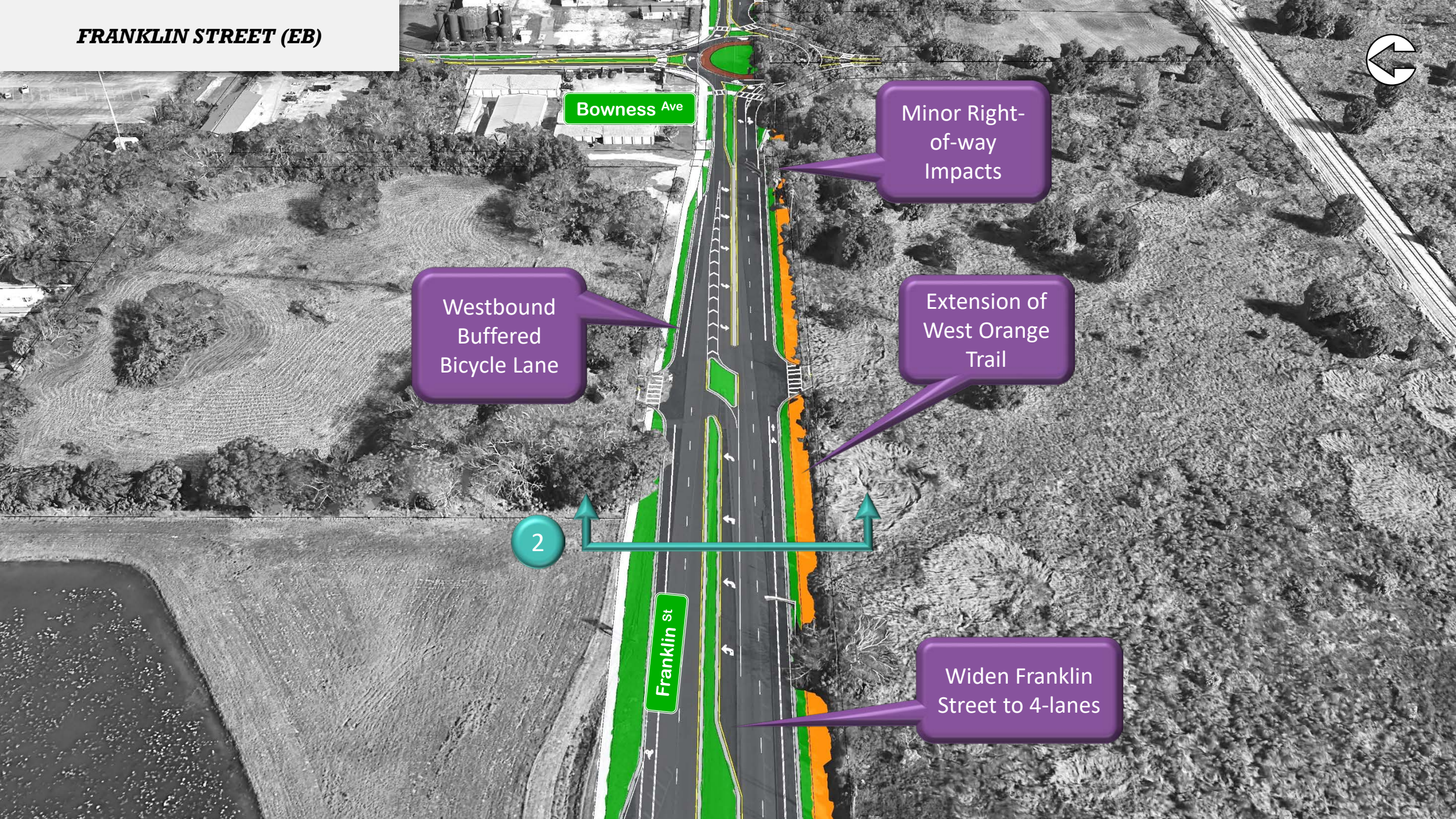
Franklin St

Channelized Right Turn Lane

Raised concrete separator



**FRANKLIN STREET (EB)**



Bowness Ave

Minor Right-of-way Impacts

Westbound Buffered Bicycle Lane

Extension of West Orange Trail

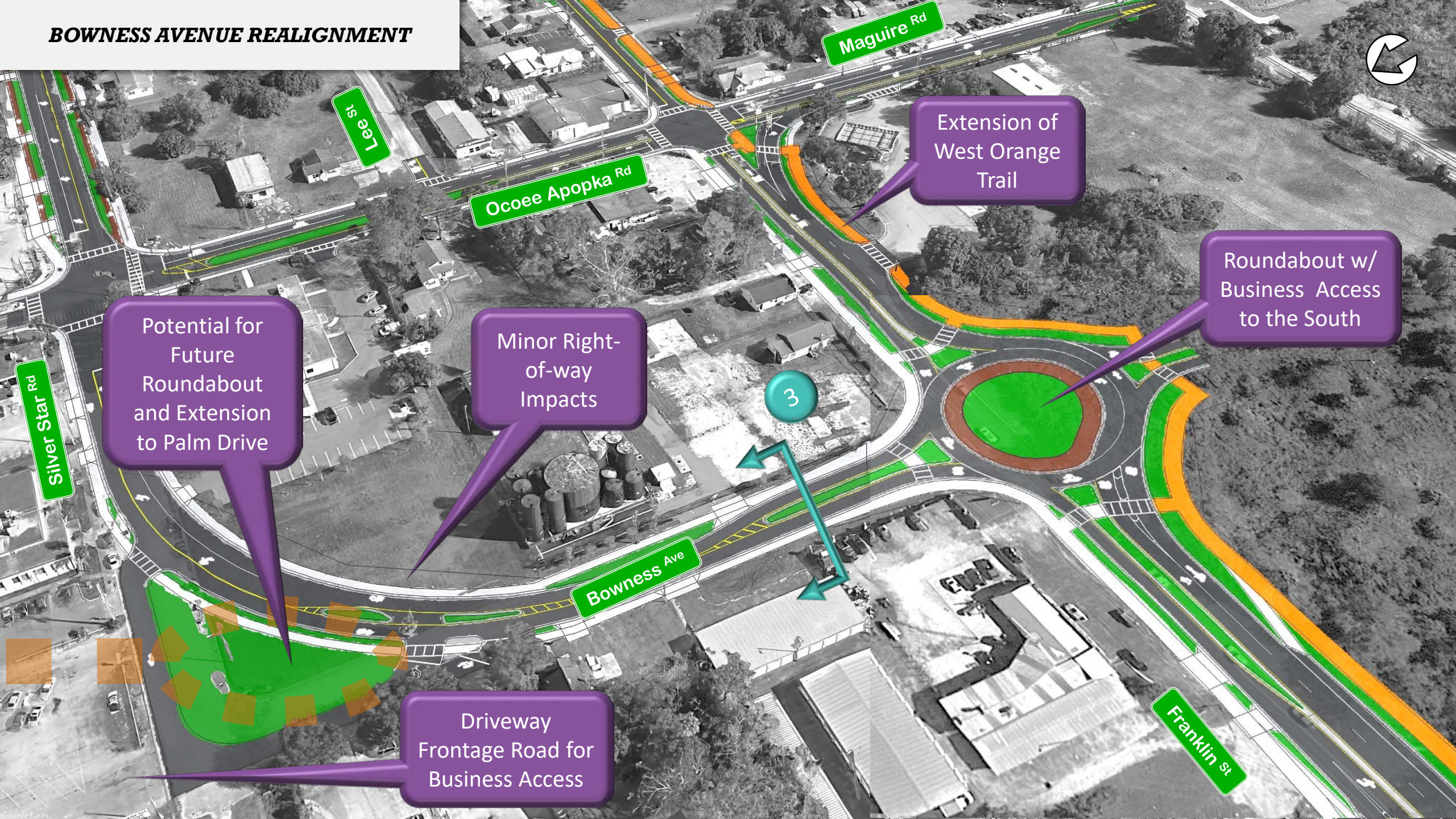
2

Franklin St

Widen Franklin Street to 4-lanes



**BOWNESS AVENUE REALIGNMENT**



Maguire Rd

Lee Rd

Ocoee Apopka Rd

Extension of West Orange Trail

Roundabout w/  
Business Access  
to the South

Potential for  
Future  
Roundabout  
and Extension  
to Palm Drive

Minor Right-  
of-way  
Impacts

3

Bowness Ave

Driveway  
Frontage Road for  
Business Access

Silver Star Rd

Franklin St



**SILVER STAR ROAD (EB)**




Westbound  
Protected  
Bicycle Lane

Improvements  
End East of  
Bluford Avenue

Provide Two-Way  
Left Turn Lane

Trail Oriented  
Development Example



Bluford Ave

Lee St

Taylor St

Silver Star Rd

Taylor St

5

4

4





SPEED  
LIMIT  
**30**

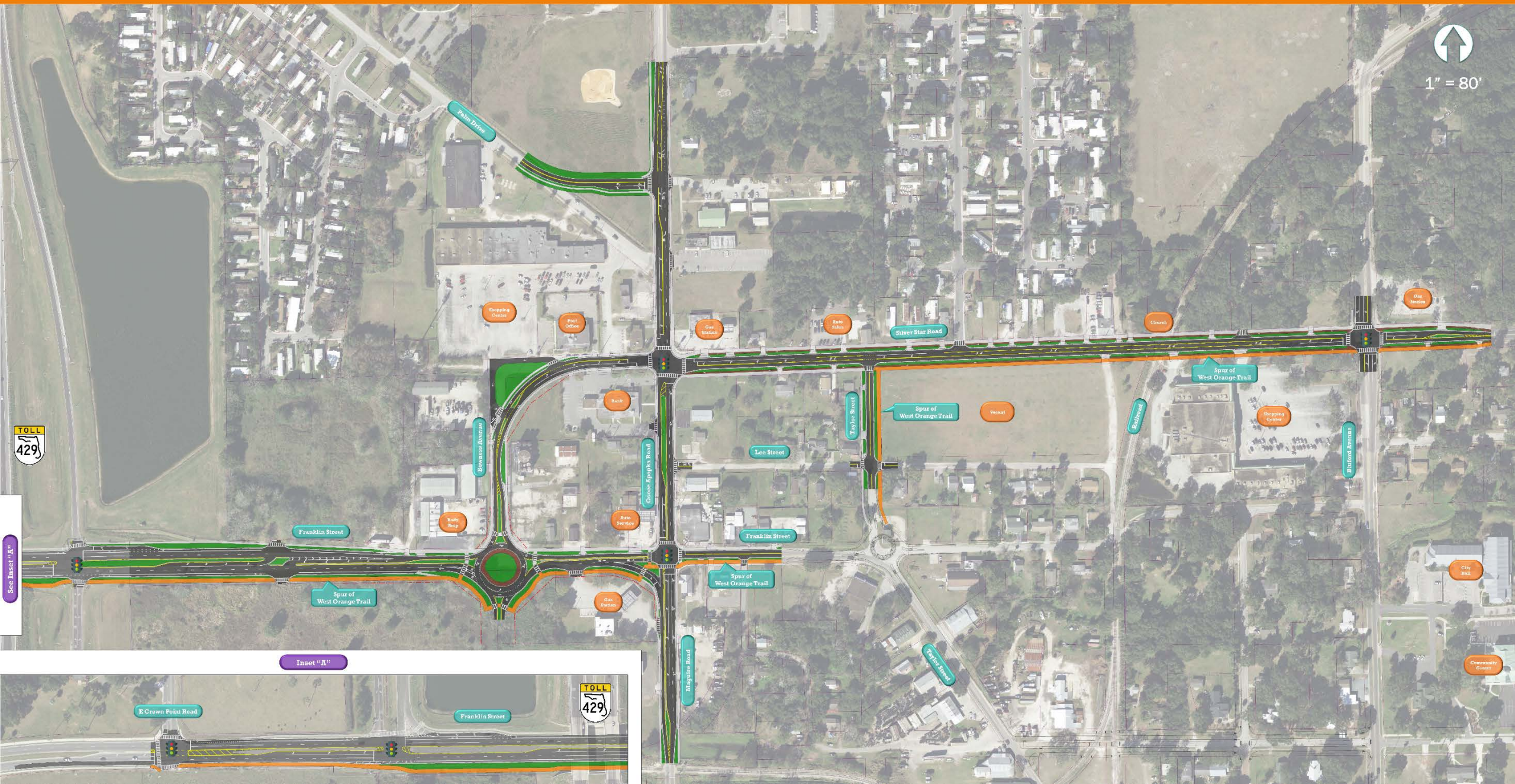
# Silver Star Road Typical Section





# Preliminary Concept Plan – Enhanced Grid

## Silver Star Road Complete Streets & Concept Development





# 2040 No-Build PM Conditions

## Silver Star Road Complete Streets & Concept Development









# Meetings Held

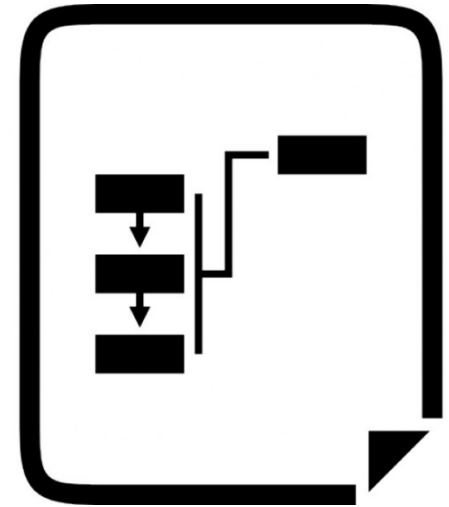
- Three FDOT Coordination Meetings
- Two Project Visioning Team Meetings
- Public Open House - March 14, 2019





# Schedule & Next Steps

- Completing Study in June 2019
- Document stormwater approach
- Finalize project segmentation
- Program future phases & segments
- Determine agency lead for segments/phases







1" = 80'

**Phase / Segment 3**  
Next Phase: PD&E

**Phase / Segment 2**  
Next Phase: Design

**Phase / Segment 1**  
Next Phase: Design



See Inset "A"

Inset "A"





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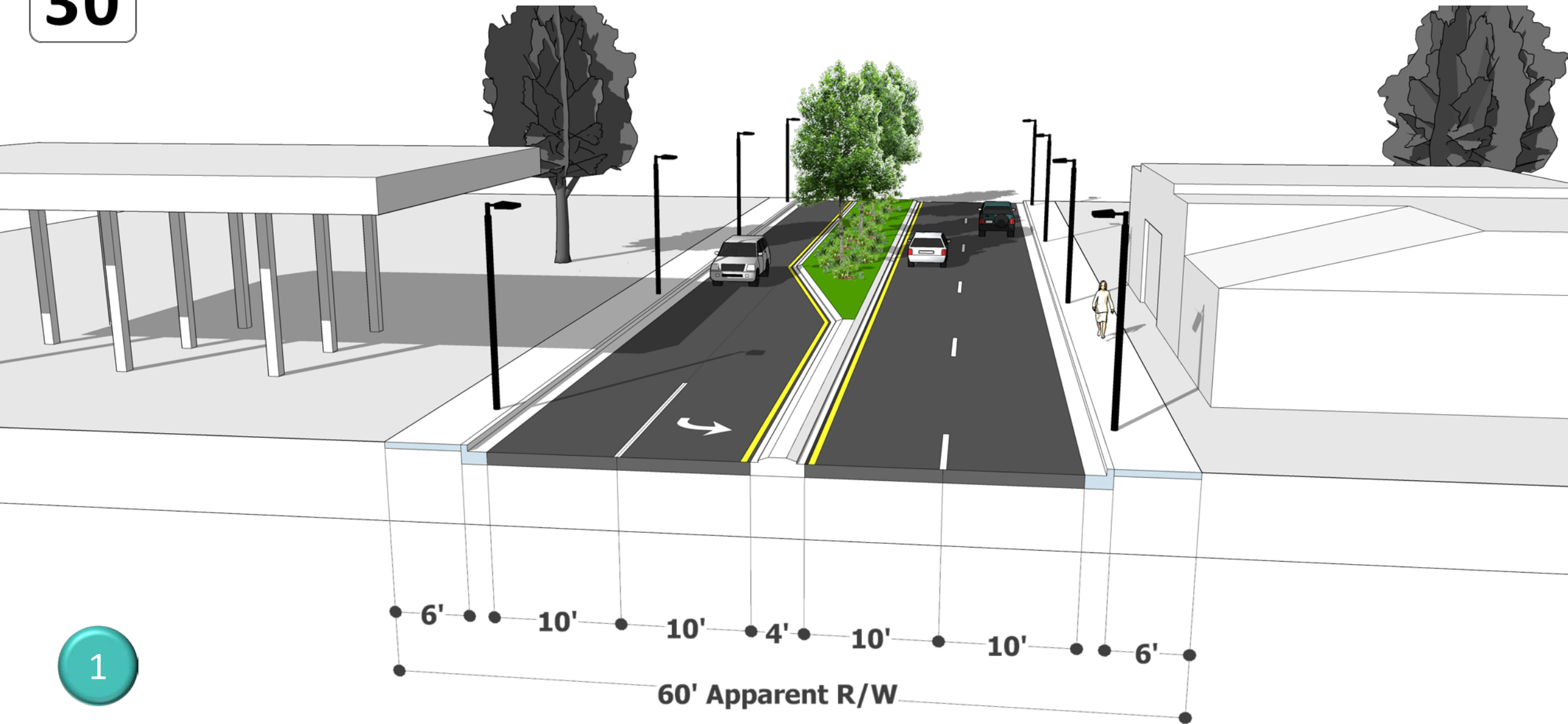
(407) 420 - 4084

**Questions/Comments?**





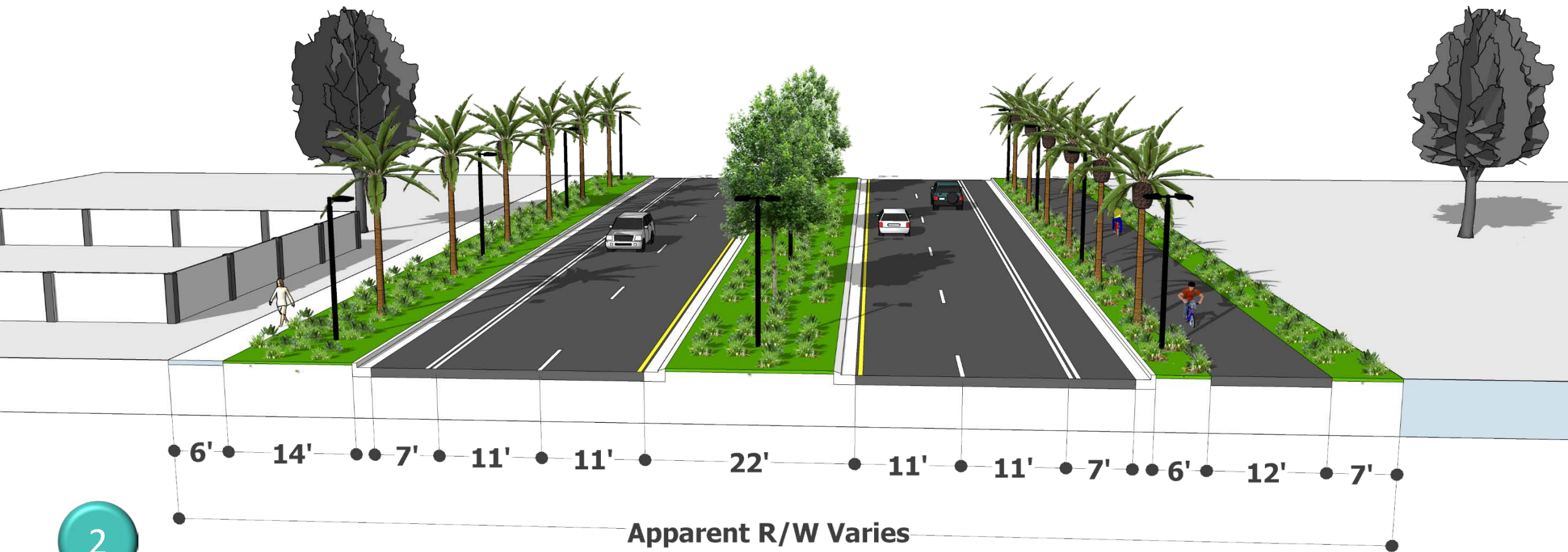
# Ocoee Apopka Road Typical Section







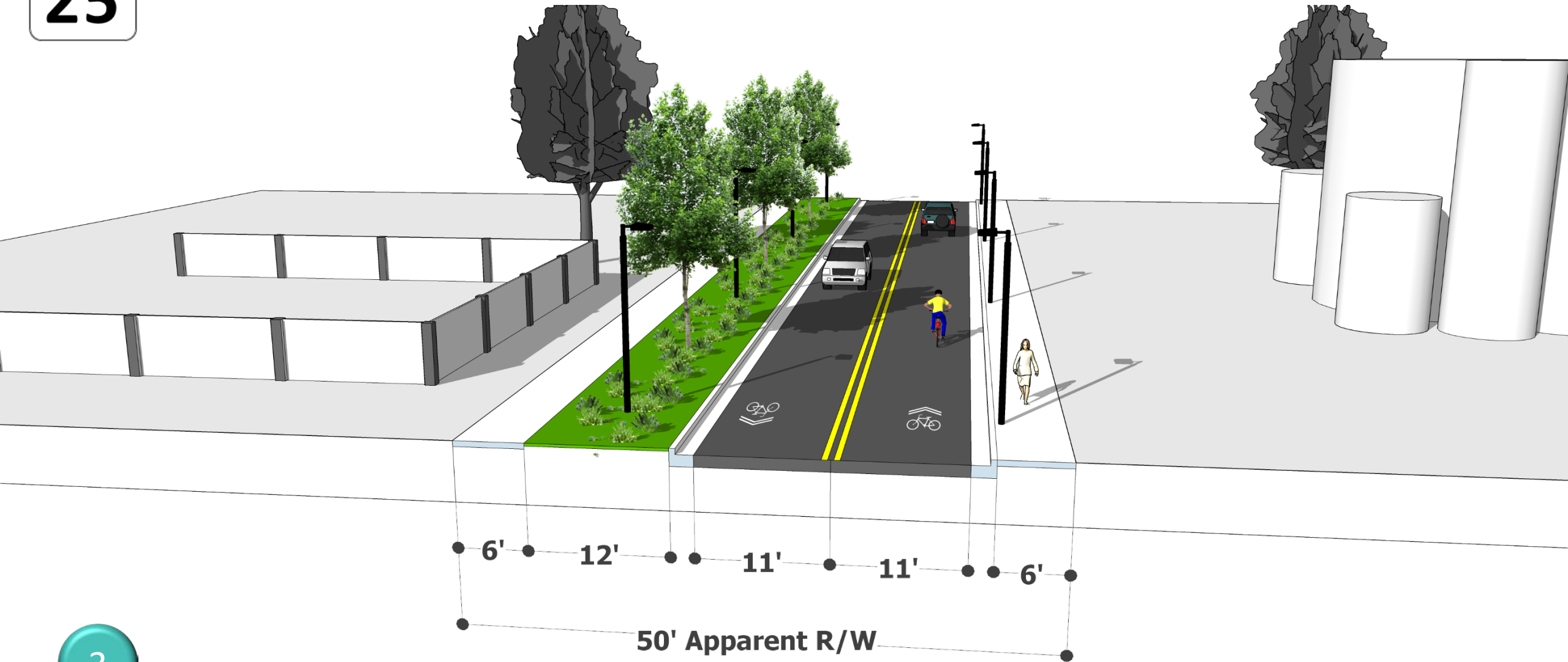
# Franklin Street Typical Section







# Bowness Avenue Typical Section





SPEED  
LIMIT  
**25**

# Taylor Street and Franklin Street Typical Section

