



# **WELCOME**

**Babcock Street (S.R. 507) Corridor Planning Study**

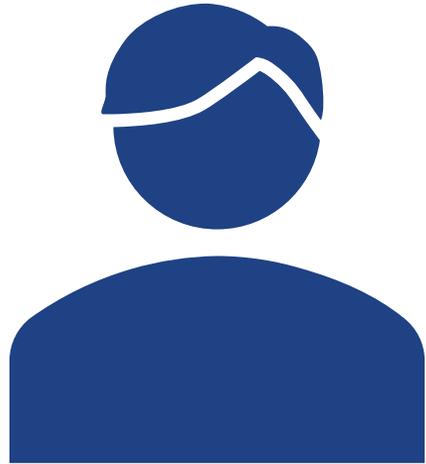
**Alternatives Public Information Meeting**

***(FPID No. 439858-1)***

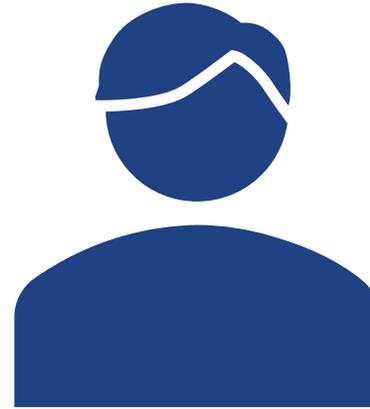
**THE PRESENTATION WILL BEGIN PROMPTLY**

**AT 5:45 P.M.**

# Welcome



**Ennis Davis, AICP**  
FDOT Project  
Manager

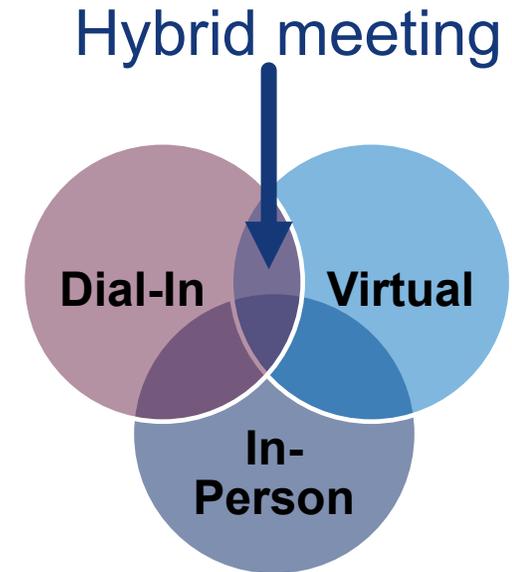


**Moderator**  
Ryan Cunningham, P.E.  
Project Consultant

# About the Public Meeting

This public meeting is being conducted in a hybrid format.

- In-Person
- Virtual
- Dial-in

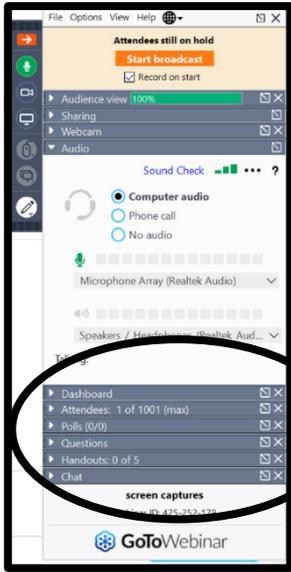


**Dial-in** attendees are “listen only”.

A copy of the presentation is available at [www.cflroads.com/project/439858-1](http://www.cflroads.com/project/439858-1)



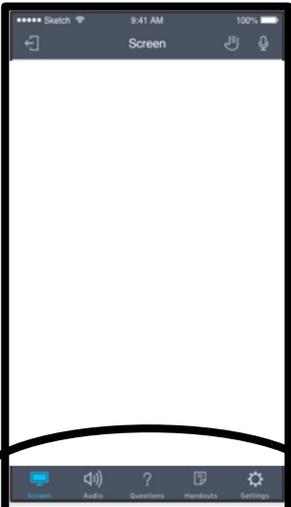
# GoToWebinar Control Panel



**Desktop**

- ▶ Dashboard
- ▶ Attendees: 1 of 1001 (max)
- ▶ Polls (0/0)
- ▶ Questions
- ▶ Handouts: 0 of 5
- ▶ Chat

A blue arrow points from the desktop sidebar menu to the 'Questions' item in this list. A red arrow points to the 'Handouts: 0 of 5' item.



**Mobile**

- Screen
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- Questions
- Handouts
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# To report a technical issue...



**Type a message**  
in the question box  
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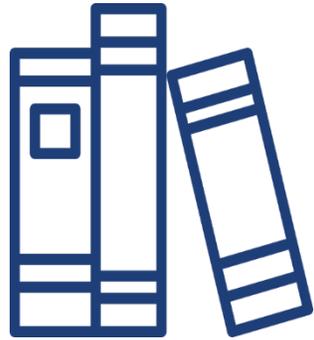


**Send an email to**  
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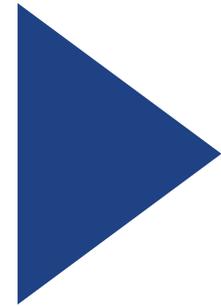
# About Your Comments and Questions



All comments and questions are part of the **public meeting record**.



Please submit your comments and questions by **May 28, 2021**.



A recording of this presentation will be posted following the **meeting**.

# Public Comments and Questions

- In-person
  - Submit Comment Form
- Virtually
  - GoTo Webinar: Type your comment/question in the **question box**
  - Online at the project website [www.cflroads.com/project/439858-1](http://www.cflroads.com/project/439858-1)
- By email to FDOT Project Manager
- By U.S. mail to FDOT Project Manager
- By phone at (386) 943-5422

## Project Manager Contact Information

Ennis Davis, AICP  
719 S. Woodland Blvd., MS 501  
DeLand, Florida 32720  
[Ennis.Davis@dot.state.fl.us](mailto:Ennis.Davis@dot.state.fl.us)  
(386) 943-5422

# Title VI of the Civil Rights Act of 1964

## Title VI Compliance

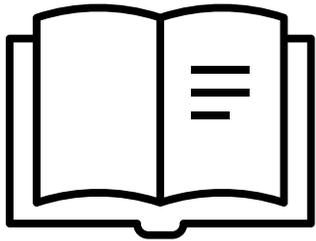
*Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons wishing to express concerns relative to FDOT compliance with Title VI may do so by contacting:*

Jennifer Smith  
**District Five Title VI Coordinator**  
719 South Woodland Boulevard  
DeLand, Florida 32720  
386-943-5367  
Jennifer.Smith2@dot.state.fl.us

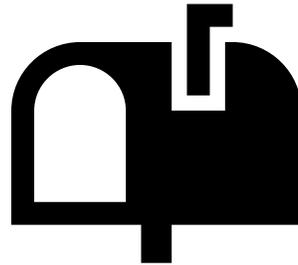
Jacqueline Paramore  
**State Title VI Coordinator**  
605 Suwannee Street, Mail Station 65  
Tallahassee, Florida 32399-0450  
850-414-4753  
Jacqueline.Paramore@dot.state.fl.us

*All inquiries or concerns will be handled according to FDOT procedure and in a prompt and courteous manner.*

# Public Notice



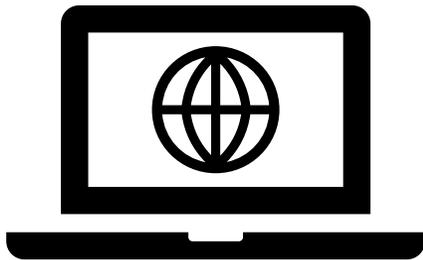
**Florida Administrative Register**



**Property owner/tenant letters**



**Email to project contacts list**



**Department/project webpage**



**Newspapers**



**Social media**

## MULTI-MODAL CORRIDOR PLANNING

- Define Problem
- Define Purpose & Need and Goals & Objectives
- Define Measures of Success
- Define and Compare Alternatives
- Select Alternatives and Determine Next Phase

## ALTERNATIVES RESULTING FROM PLANNING

### Land Use Strategies

- Land Use Policies / Regulations
- Detailed Land Use Plans
- Land Use Programs

### Transportation Strategies

- Capital Improvements
- Transportation Operations
- Maintenance Project
- Detailed/Area-Specific Transportation Plans and Programs

### Other Strategies

- Utility/Infrastructure Improvements
- Organizational Changes
- Do Nothing (No-Build)

# What is a Corridor Planning Study?

# How Do We Get There?

Planning defines problem, determines purpose, need, and alternatives.

## ALTERNATIVES RESULTING FROM PLANNING

Land Use Strategies

Transportation Strategies

Other Strategies

Complex alternatives go through a Project Development & Environment (PD&E) Study

Alternatives that are less complex go through Concept Development

A PD&E Study evaluates alternatives screened in planning and chooses preferred alternative

The design phase creates construction plans.

PD&E

Concept Development

Design

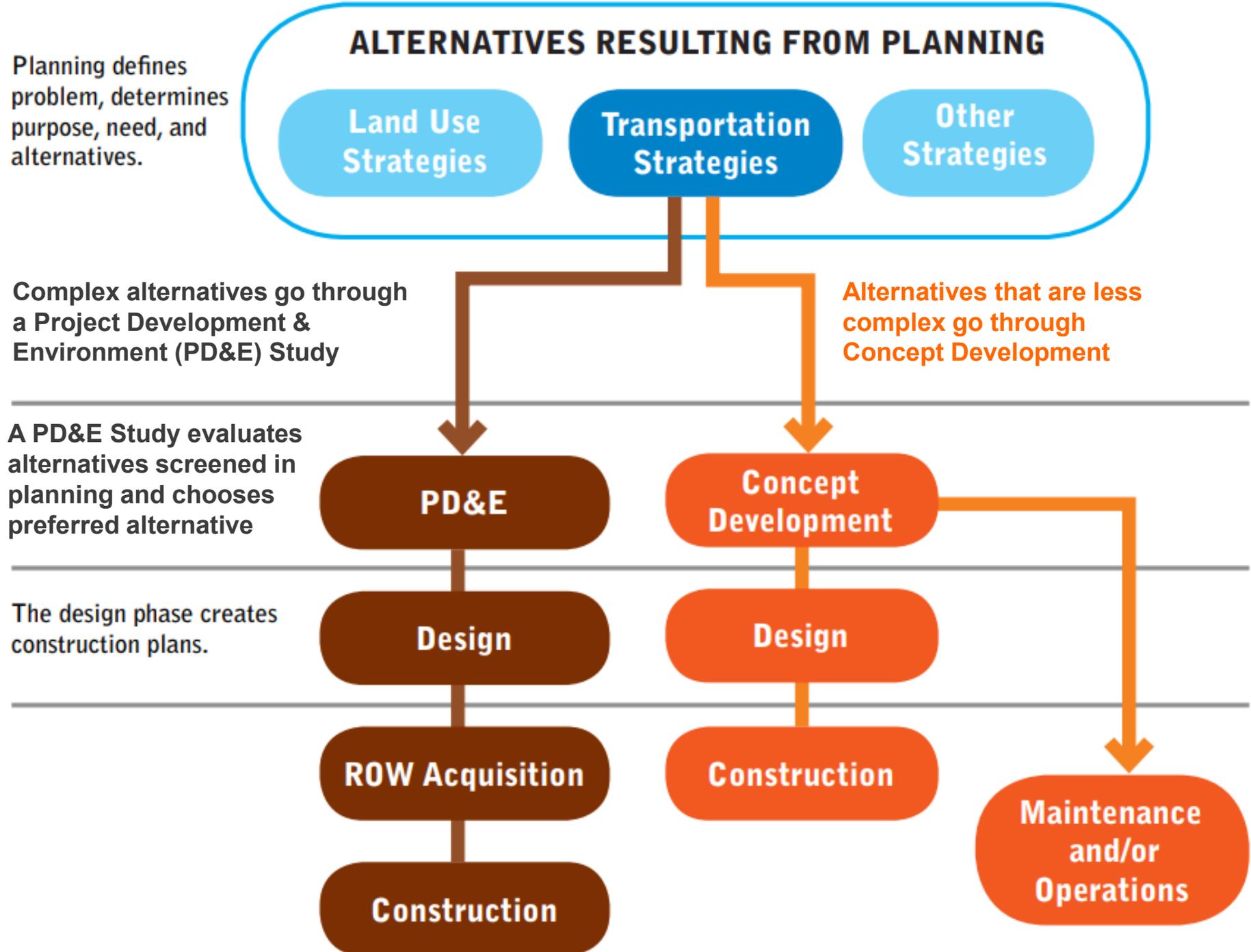
Design

ROW Acquisition

Construction

Construction

Maintenance and/or Operations



# Study Corridor

3 miles

31,000 to 38,000 vehicles per day



## Legend

-  Study Intersection
-  Study Corridor
-  Florida Institute of Technology (F.I.T.) Campus



North

# Identified Issues

## Legend

- Study Intersection
- Study Corridor
- Congested Intersection
- - High Crash Intersection
- Pedestrian Mobility
- Bicycle Mobility



Sidewalk Gap



Lack of Bicycle Facility



Pedestrian Crossing Demand

# Corridor Needs



- Corridor Safety
- Intersection Safety
- Intersection Congestion



- Safe & Continuous Pedestrian Facility
- Access Between Uses



- Safe & Continuous Bike Facility
- Access Between Uses



- Accessibility

# Speed Management

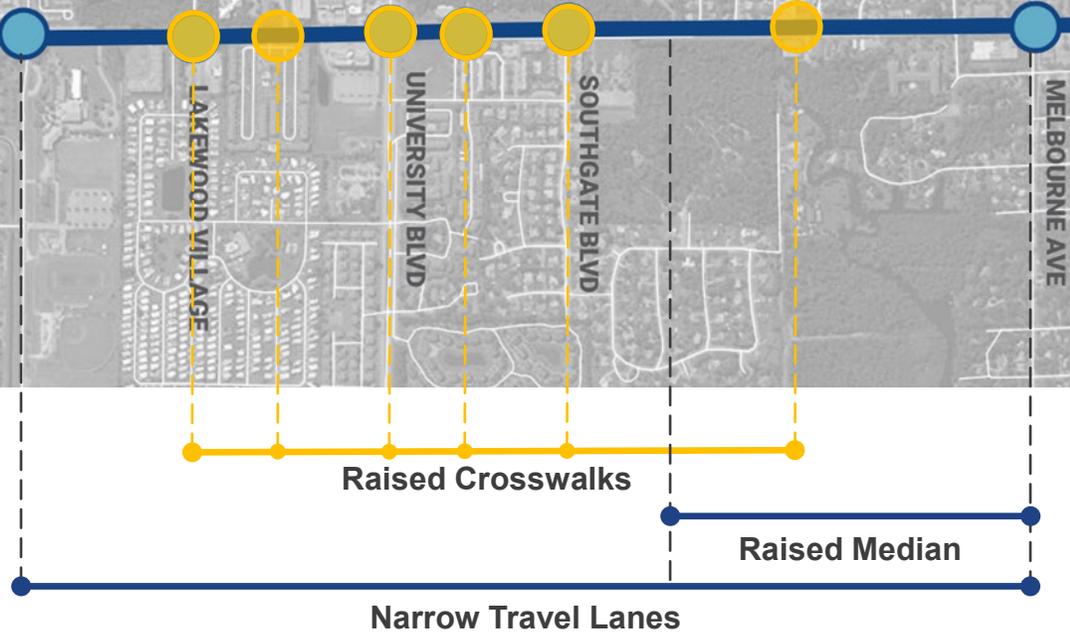
Improvements to calm traffic and reduce the speed on corridor

- Palm Bay Road to Florida Avenue
  - Access management improvements
  - Install curb on south side to fill in sidewalk gap
  
- Florida Avenue to U.S. 192
  - Narrow travel lanes
  - Add landscaping to calm traffic
  - Install raised crosswalks at six locations
  - Install raised median from Vida Way to Melbourne Avenue

# Speed Management



Speed Management Strategies  
Short-Term



# Speed Management



## Speed Management Strategies

Short-Term

Long-Term

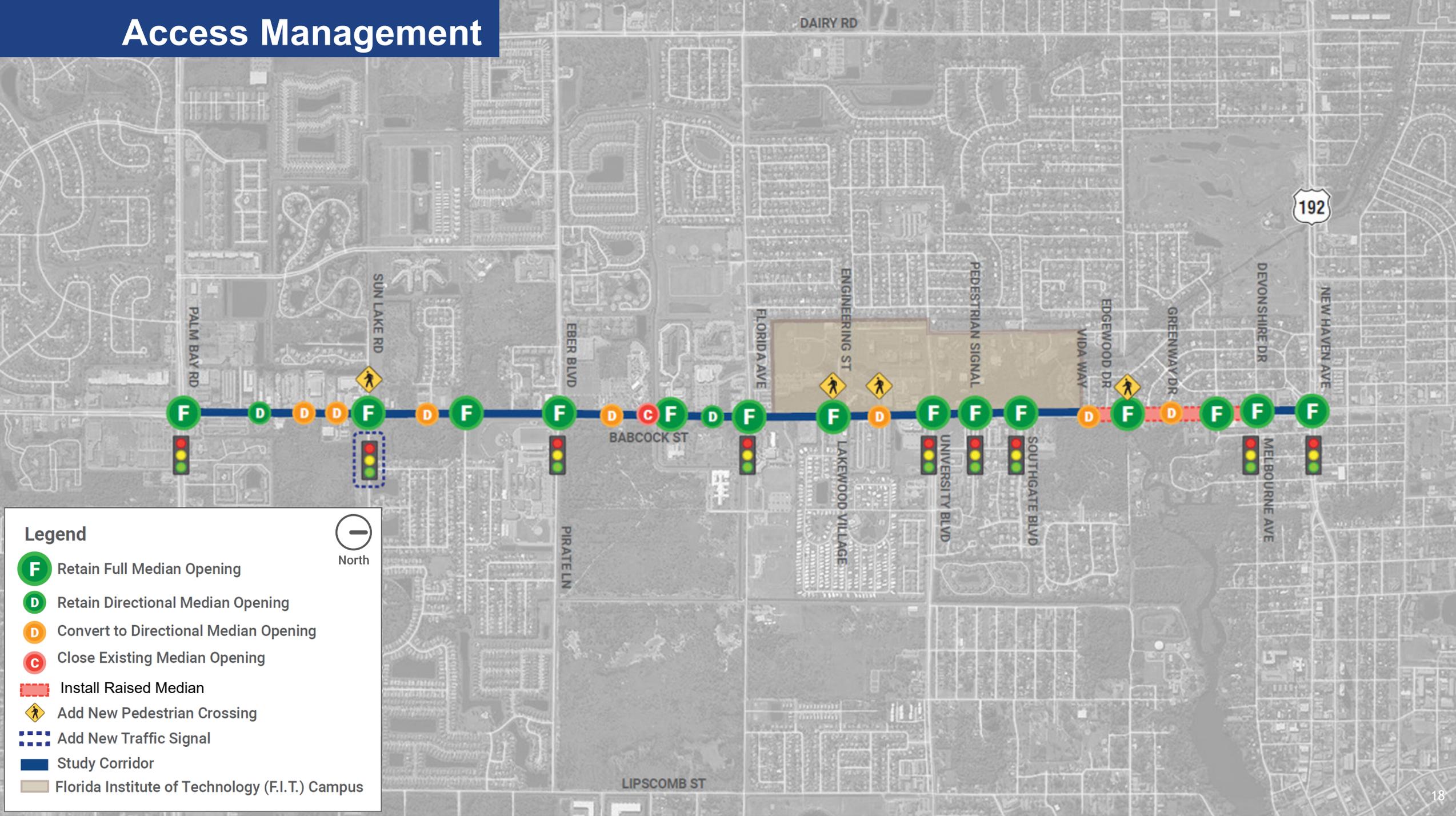
Roundabout Intersections

Raised Crosswalks

Raised Median

Narrow Travel Lanes

# Access Management



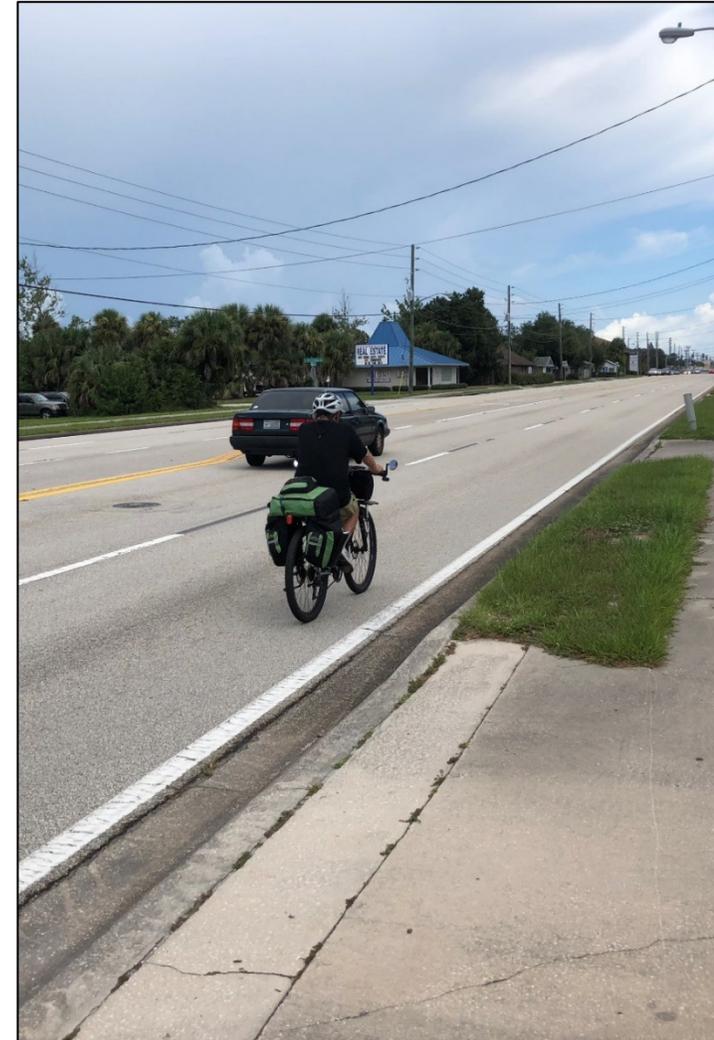
**Legend**

- F Retain Full Median Opening
- D Retain Directional Median Opening
- D Convert to Directional Median Opening
- C Close Existing Median Opening
- Install Raised Median
- ⚠ Add New Pedestrian Crossing
- Add New Traffic Signal
- Study Corridor
- Florida Institute of Technology (F.I.T.) Campus

↑  
 North

# Pedestrian and Bicycle Connectivity

- Safe, continuous facilities for pedestrians and bicyclists
  - Fill sidewalk gaps
  - Wider sidewalk, shared use path
  - Dedicated bicycle facility
  - Buffer between pedestrian/bike facility and travel lane
  - Landscaping
  - Accessible pads at transit stops
- Better connectivity on both sides of street



# Bicycle Facility Design Options

## Buffered Bike Lanes



## Shared Use Path



## Two-Way Separated Bike Lanes



# Considerations for Pedestrian and Bicycle Facility Alternatives

**Legend**

- Study Intersection
- Study Corridor
- Florida Institute of Technology (F.I.T.) Campus
- AM Peak Crosswalk Activity
- PM Peak Crosswalk Activity

North



**Short-Term:**

**10' Shared Use Path**  
(Fill Sidewalk Gap)

**10' Shared Use Path**  
(Widen as ROW & utilities allow,  
otherwise continue existing 8' sidewalk.)

**10' Shared Use Path**

**Long-Term:**

**12' Shared Use Path**

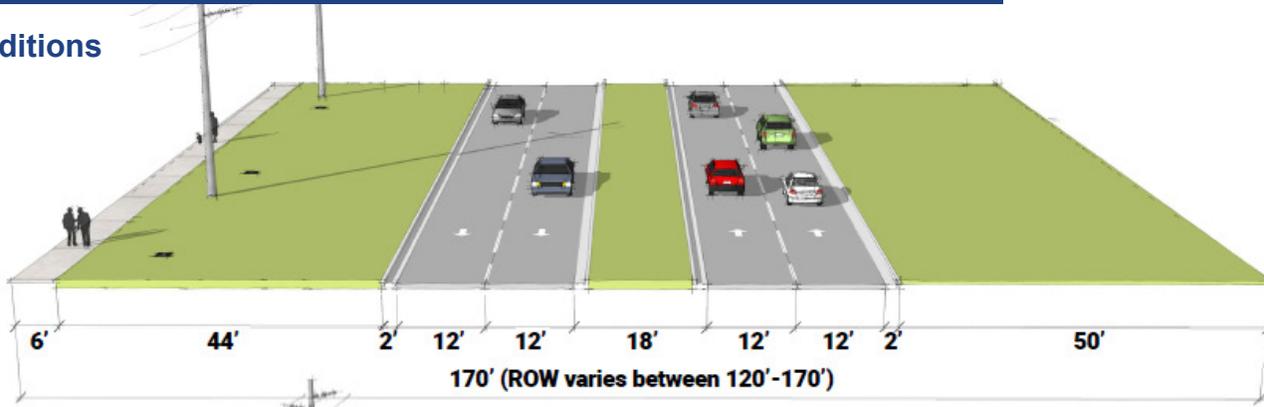
**8' Two-Way Separated Bike Lanes**  
**6' Sidewalk**

**10' Shared Use Path**

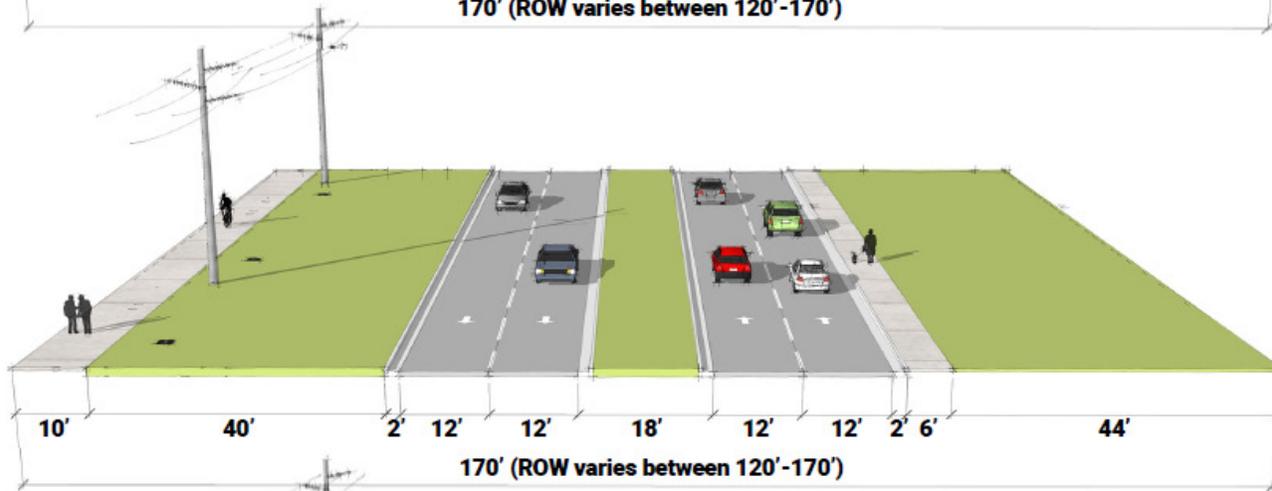
**7' Buffered Bicycle Lane**

# Palm Bay Road to Sun Lake Road

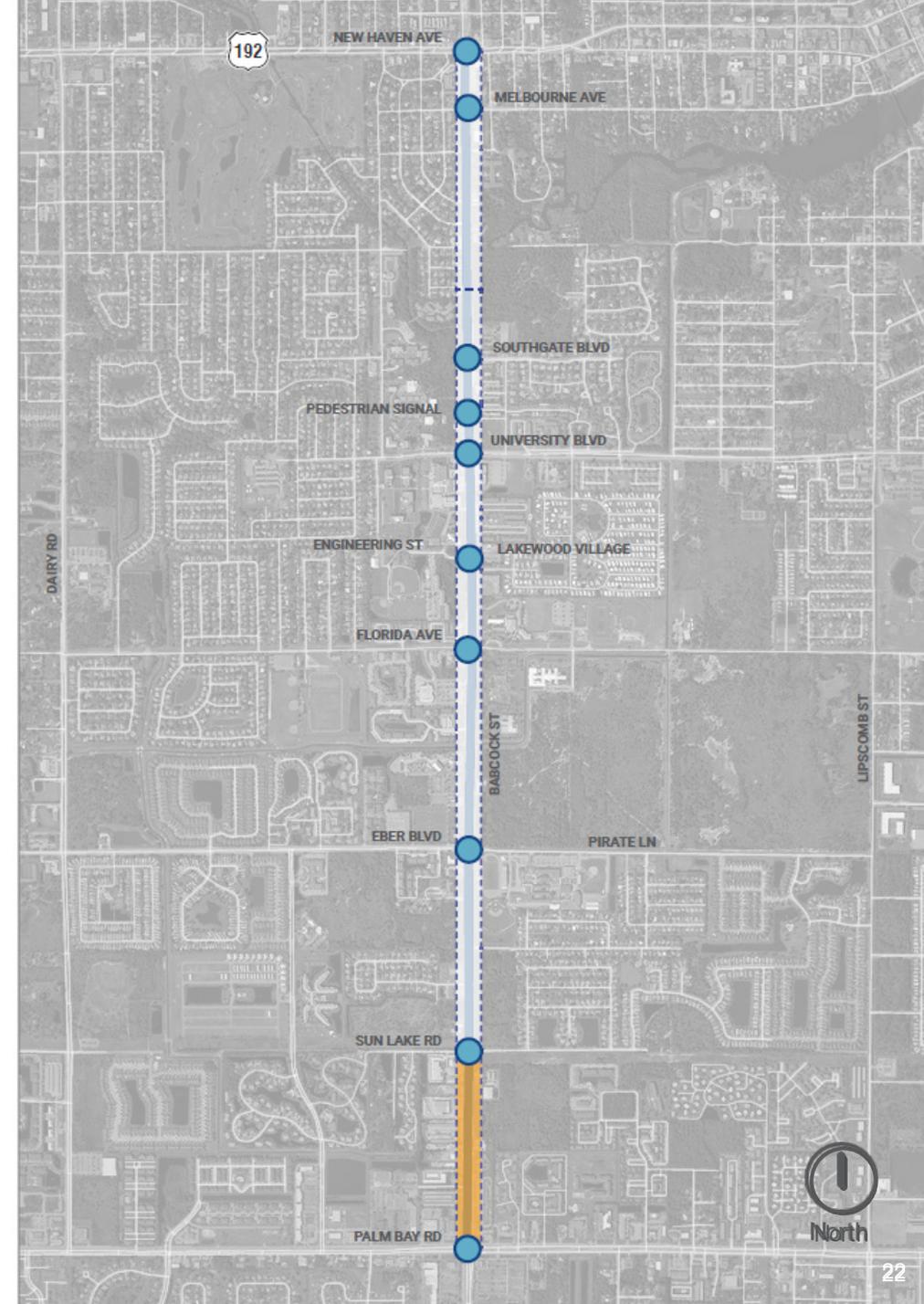
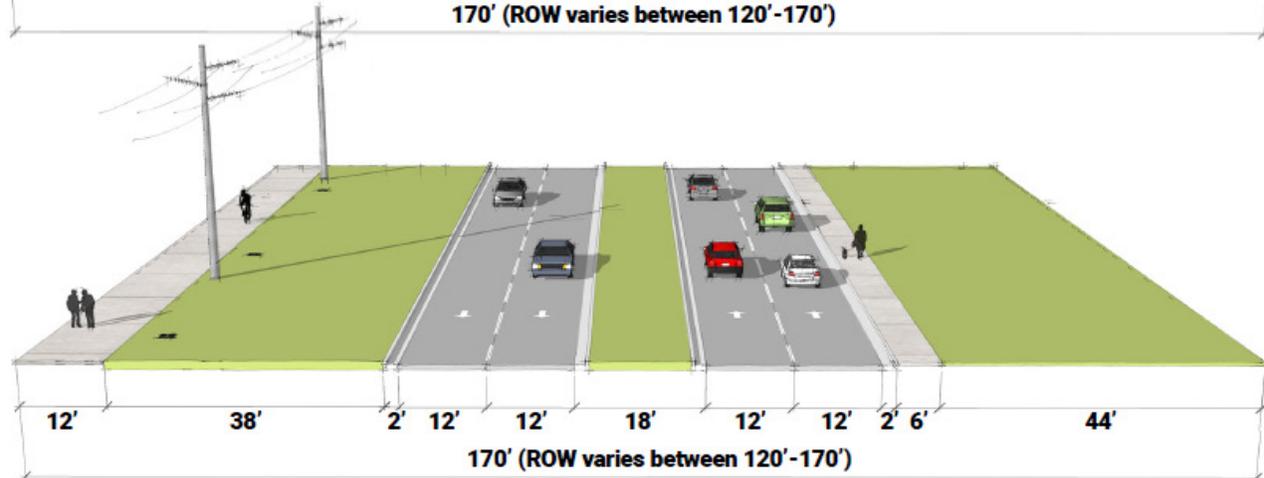
## Existing Conditions



## Short-Term

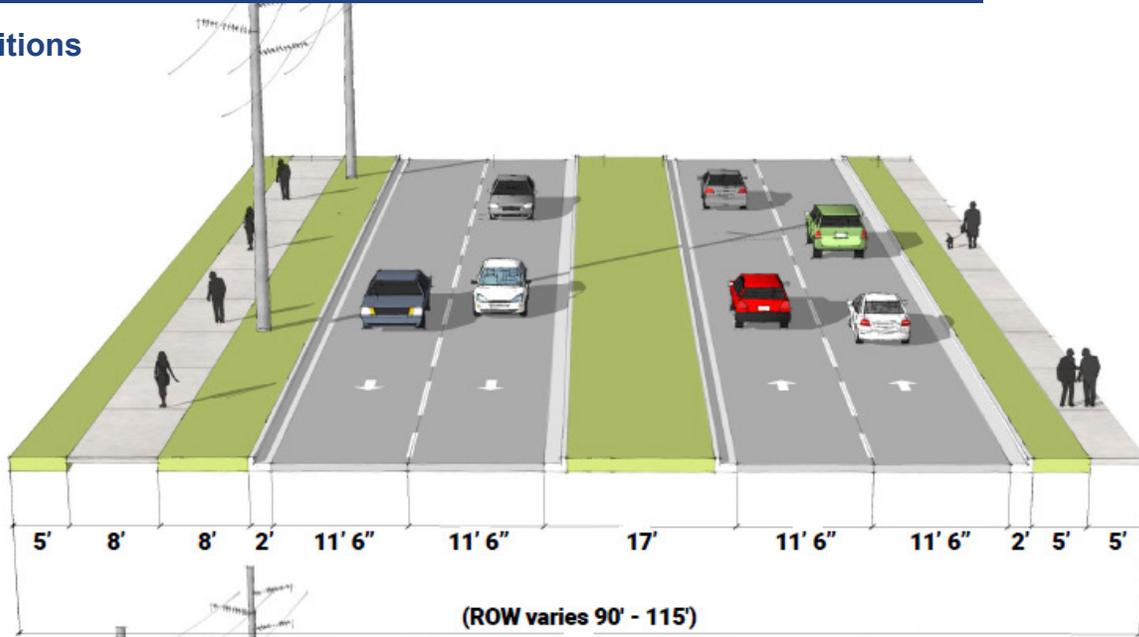


## Long-Term

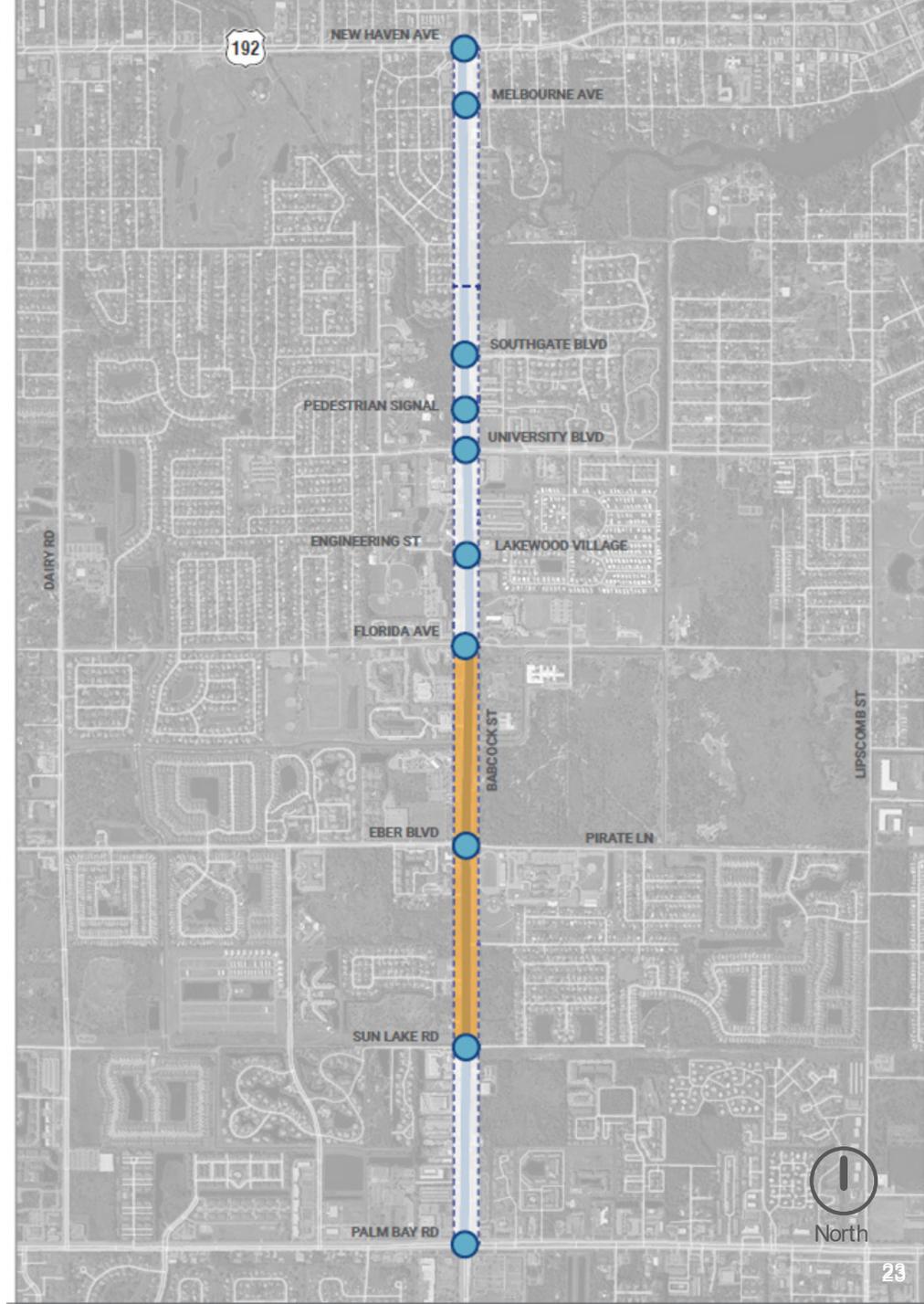
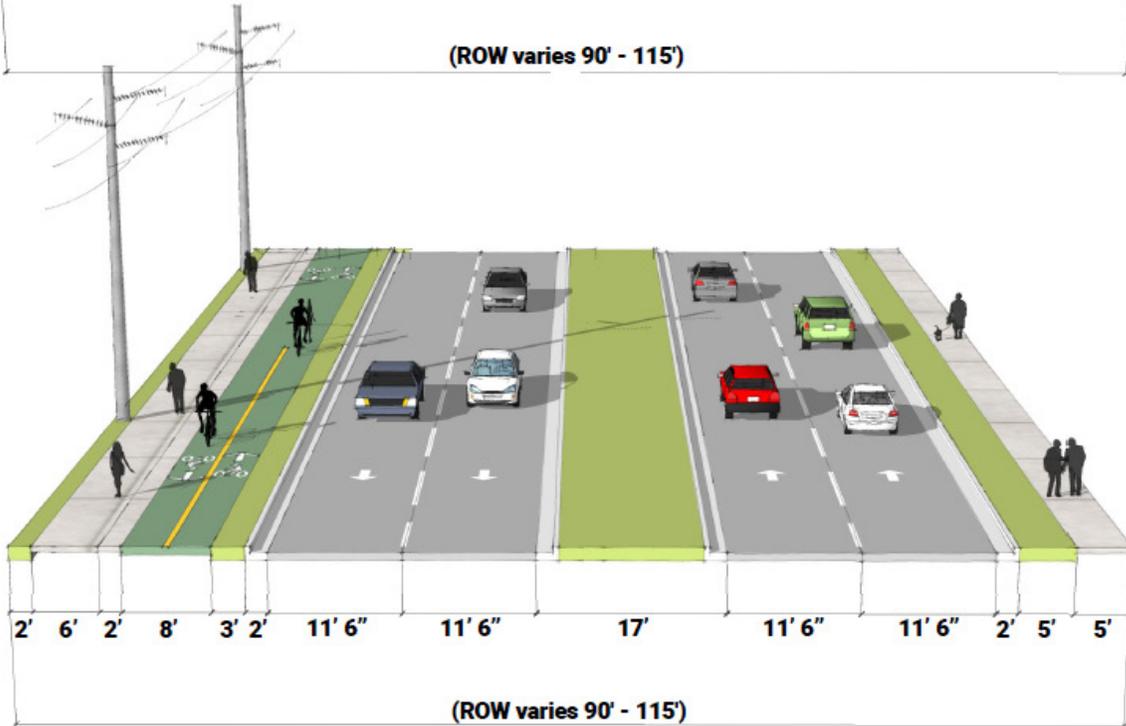


# Sun Lake Road to Florida Avenue

## Existing Conditions & Short-Term

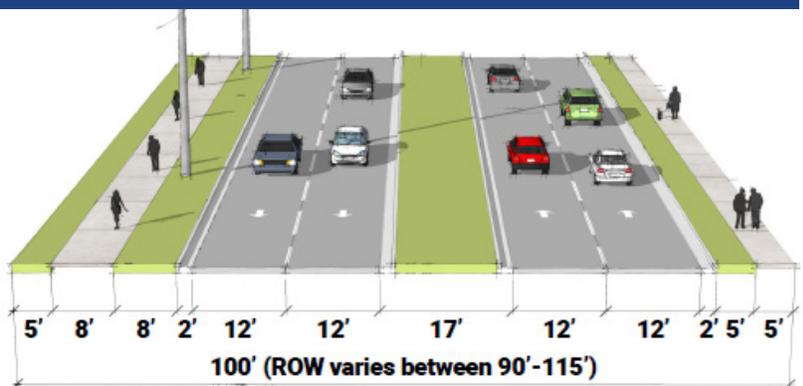


## Long-Term

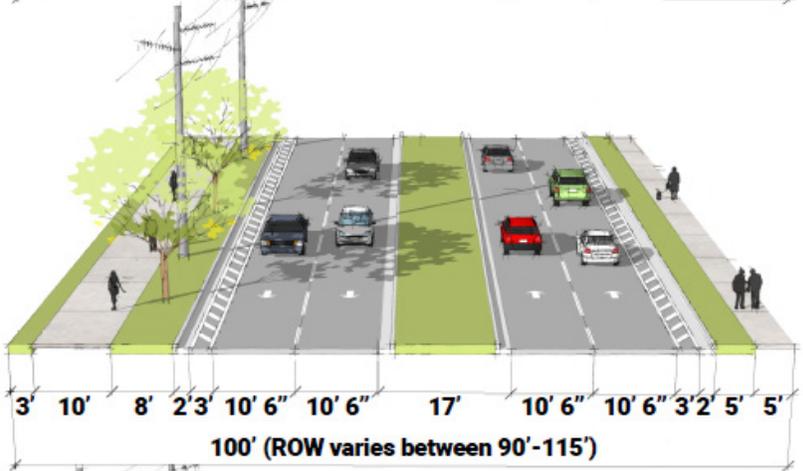


# Florida Avenue to Crane Creek Bridge

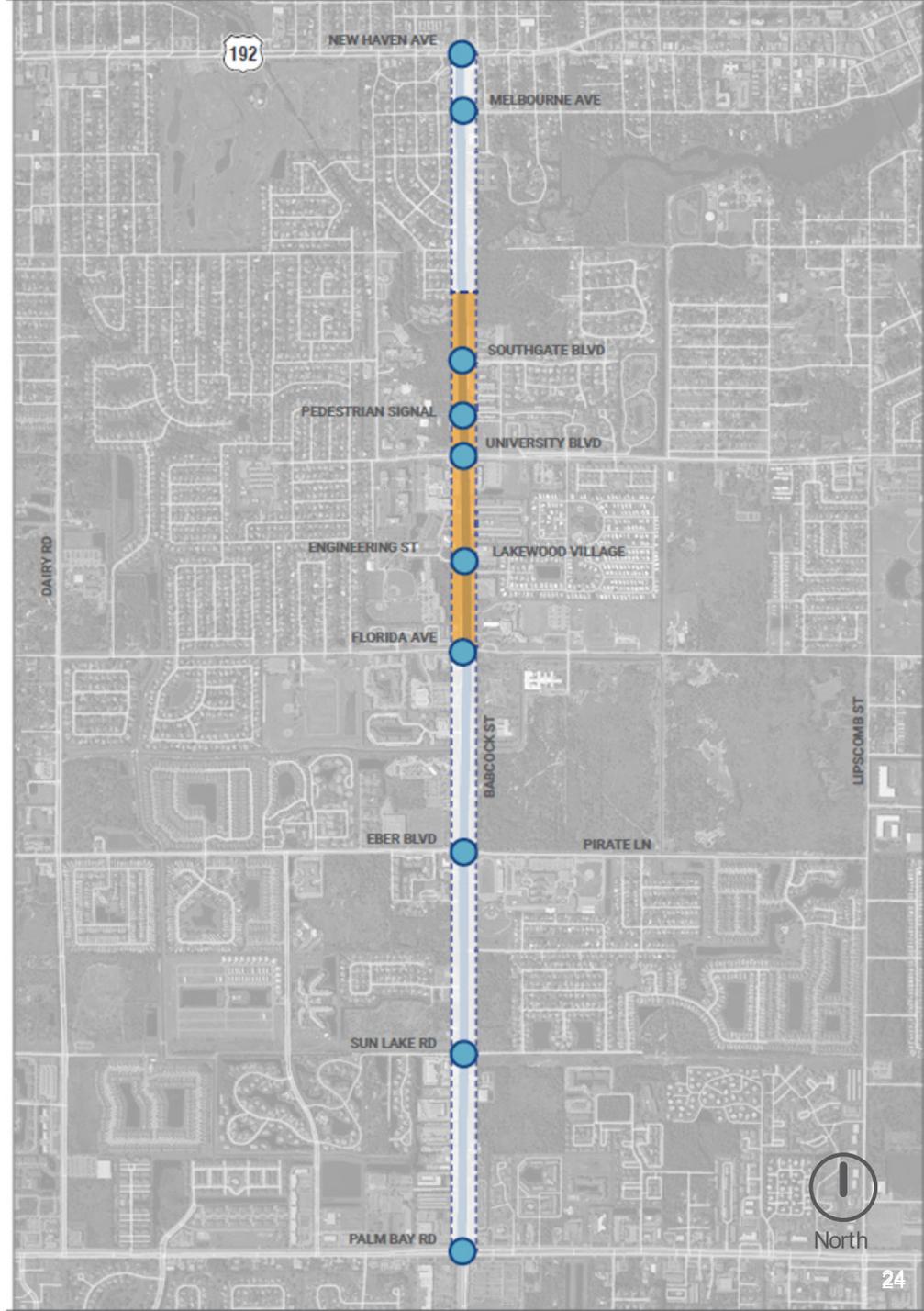
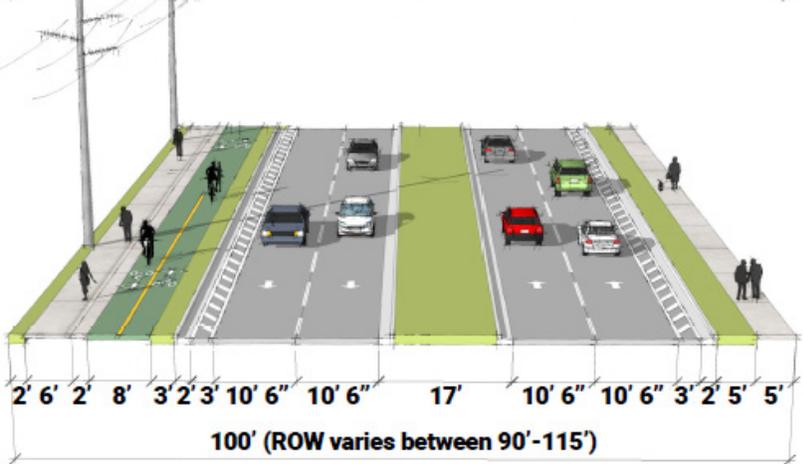
## Existing Conditions



## Short-Term

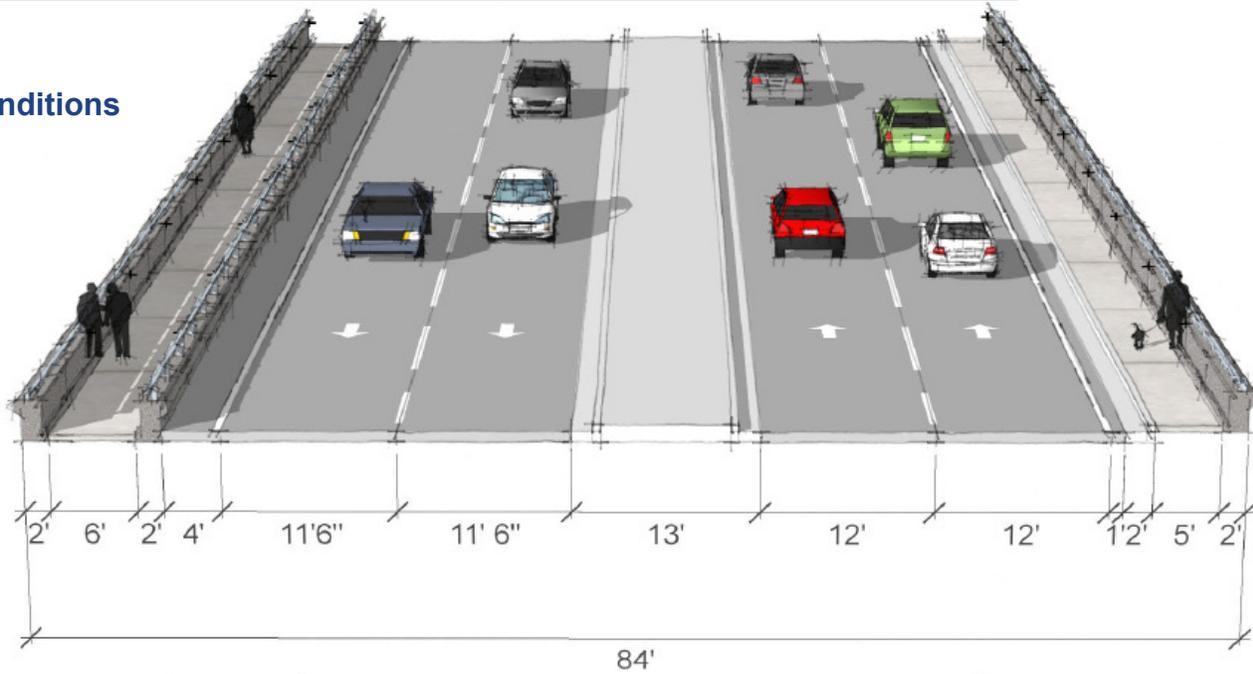


## Long-Term

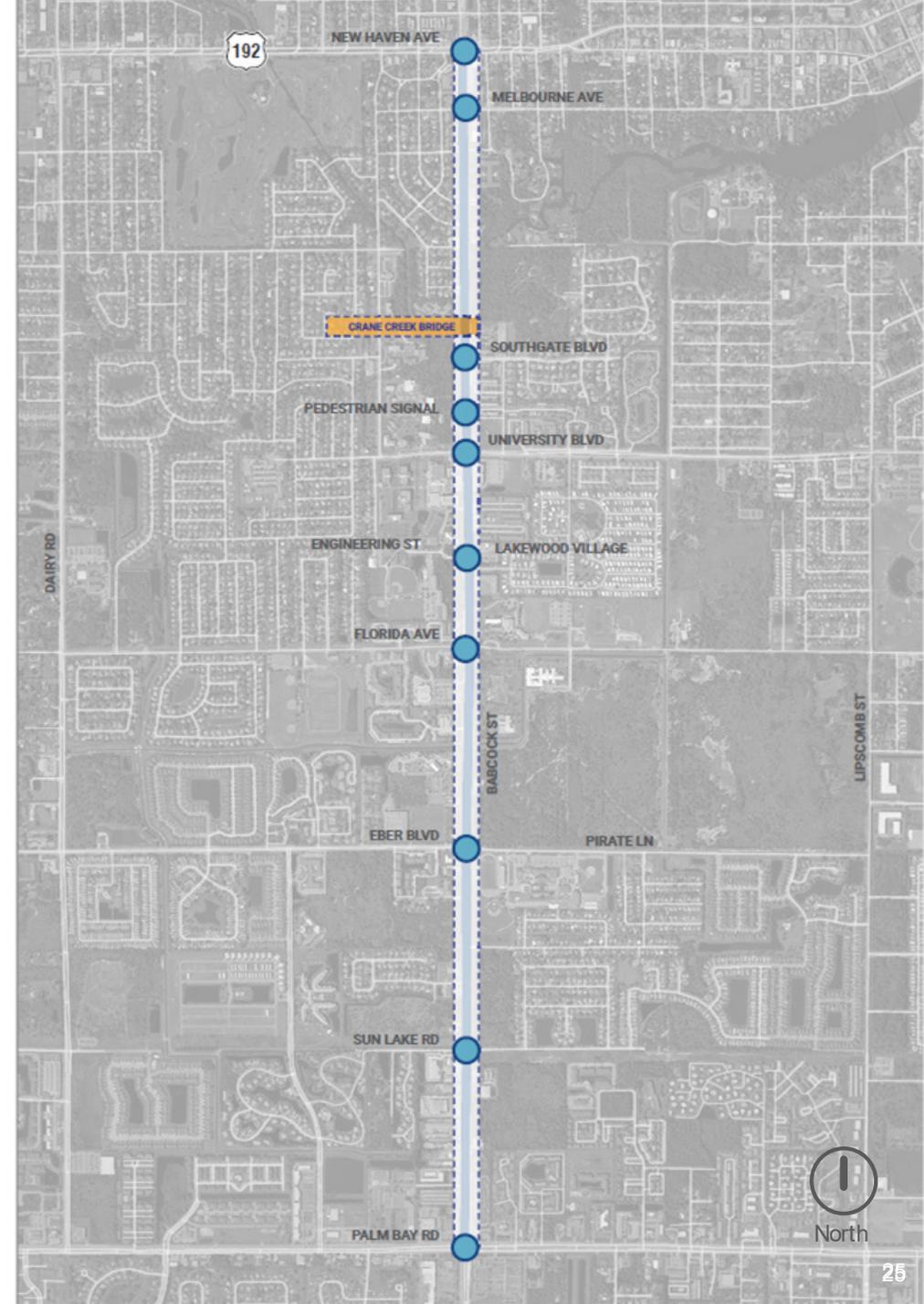
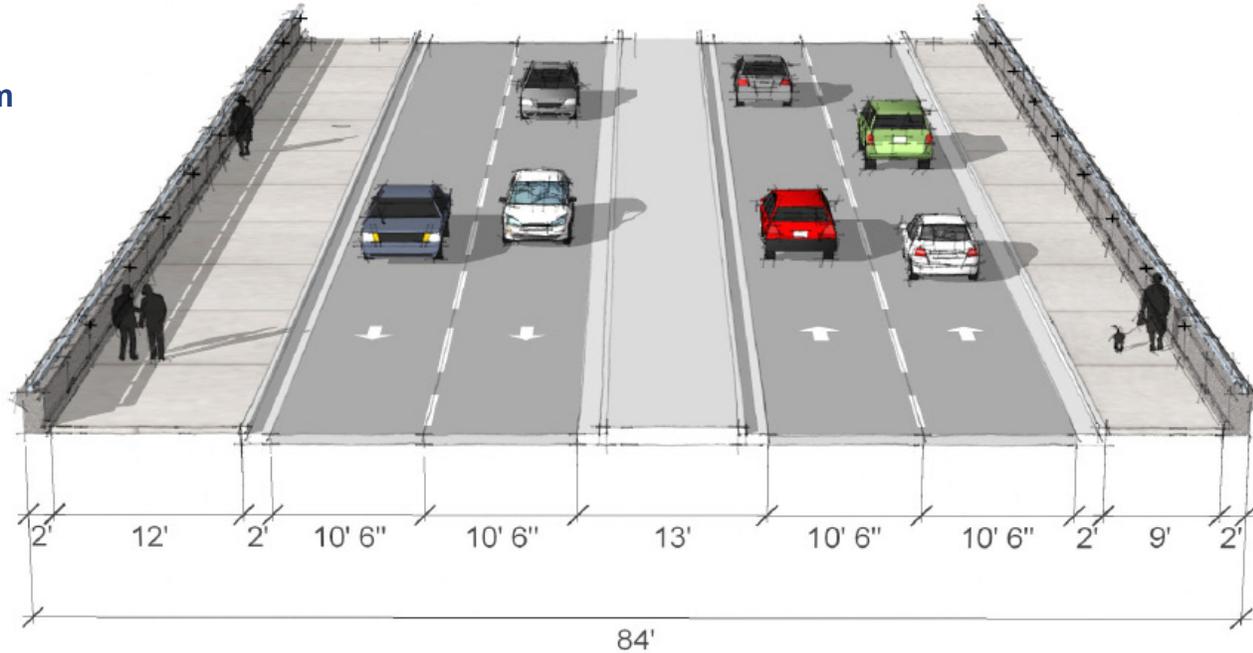


# Crane Creek Bridge

Existing Conditions

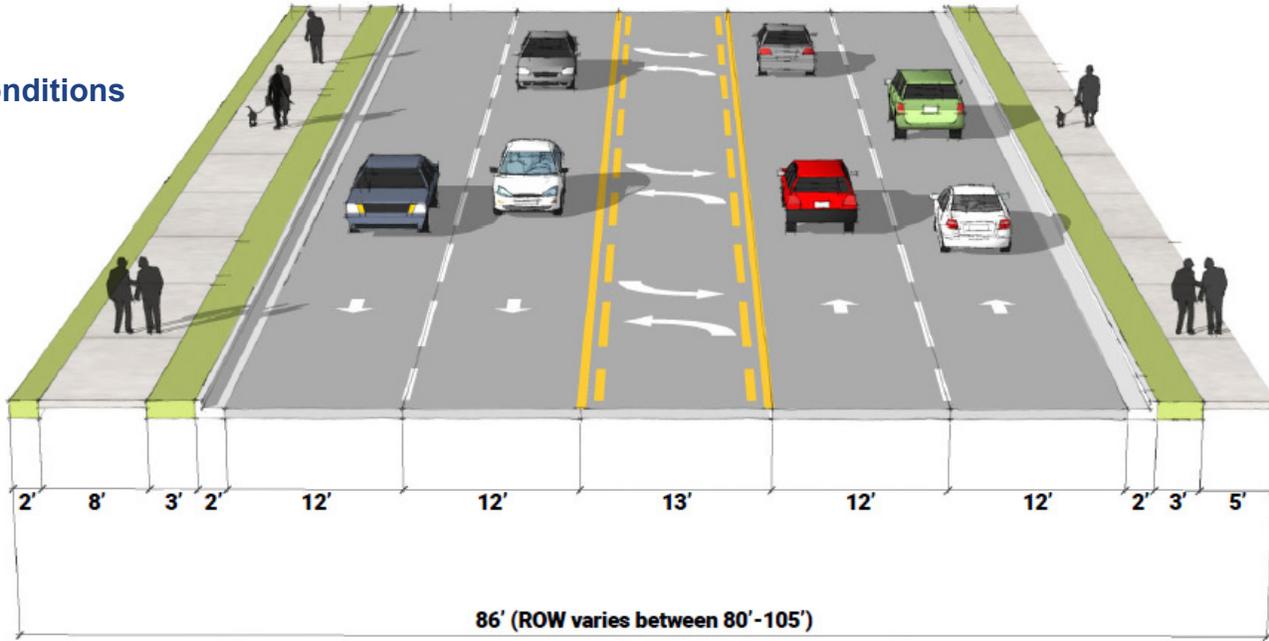


Short-Term & Long-Term

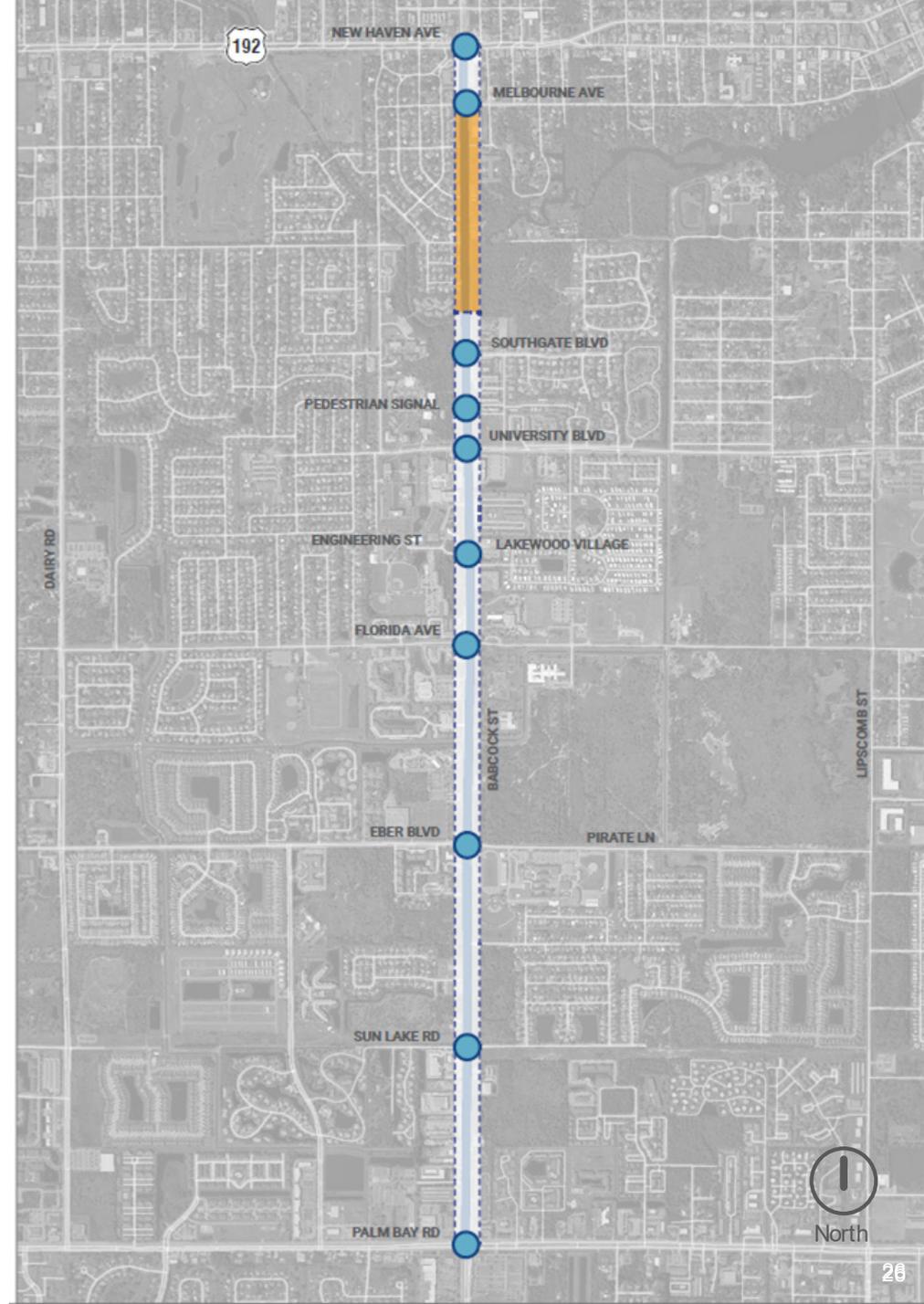
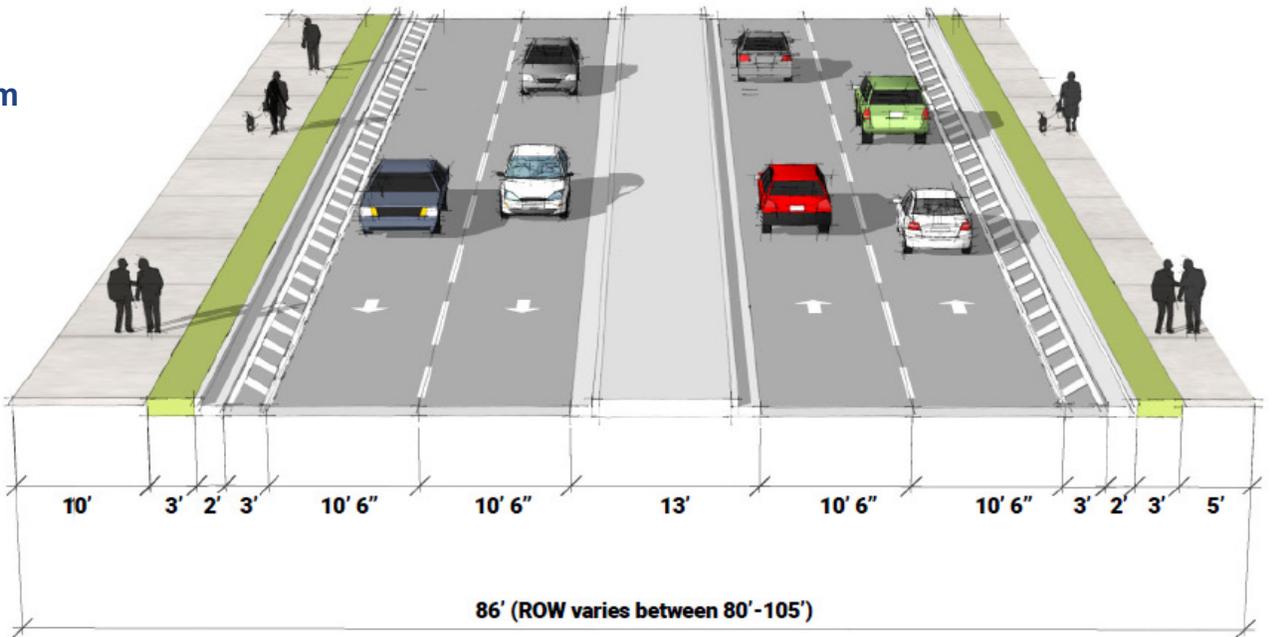


# Crane Creek Bridge to Melbourne Avenue

Existing Conditions

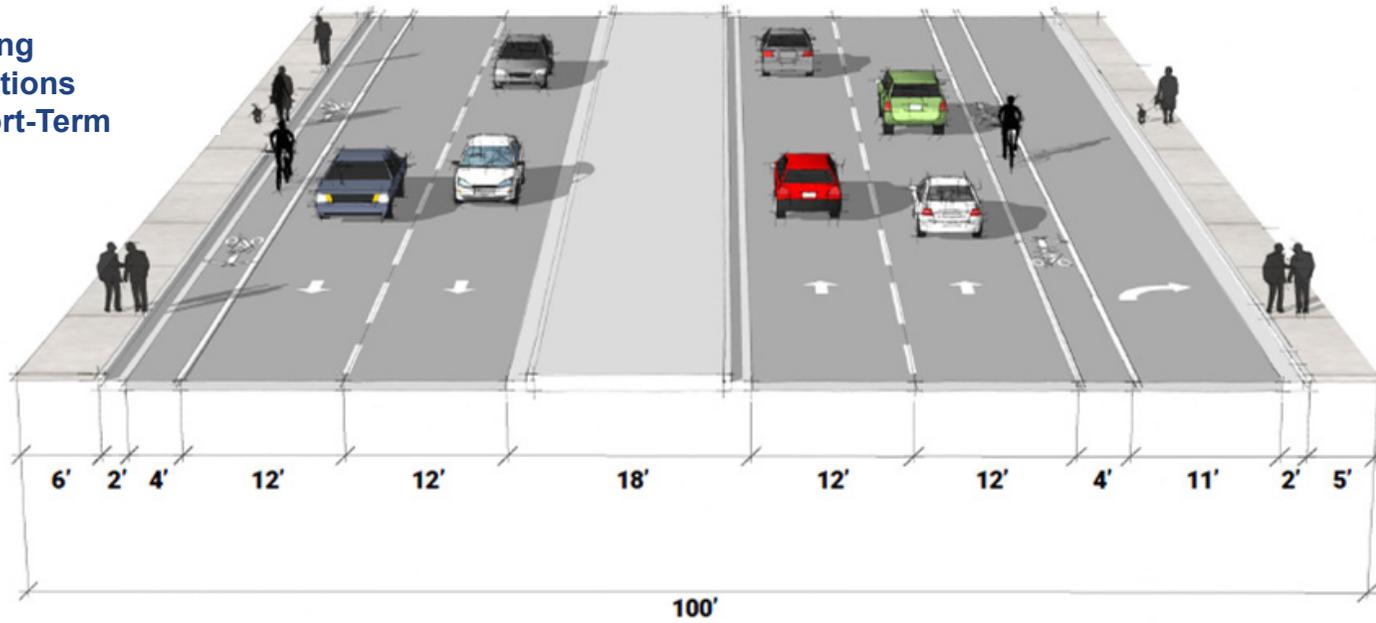


Short-Term & Long-Term

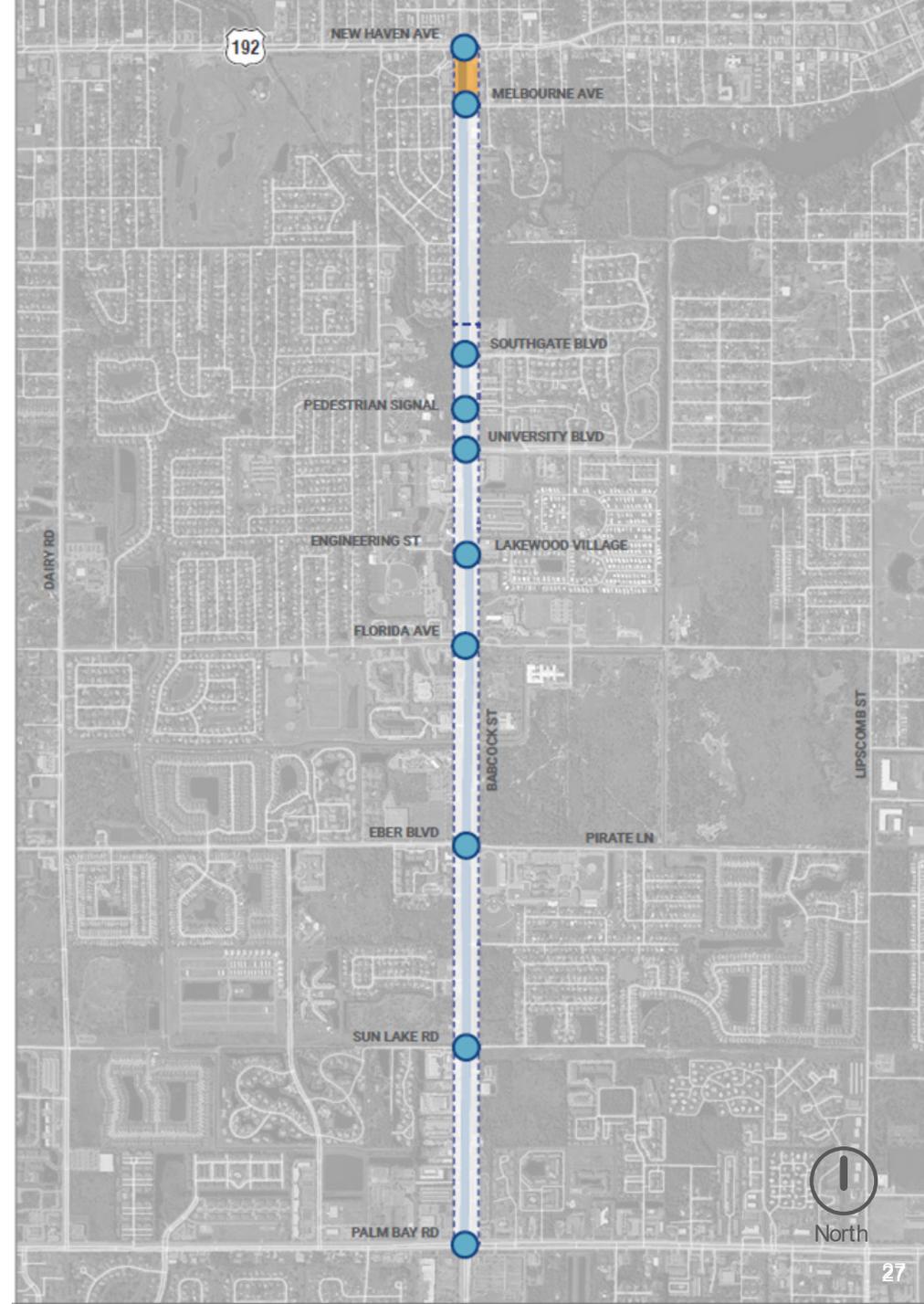
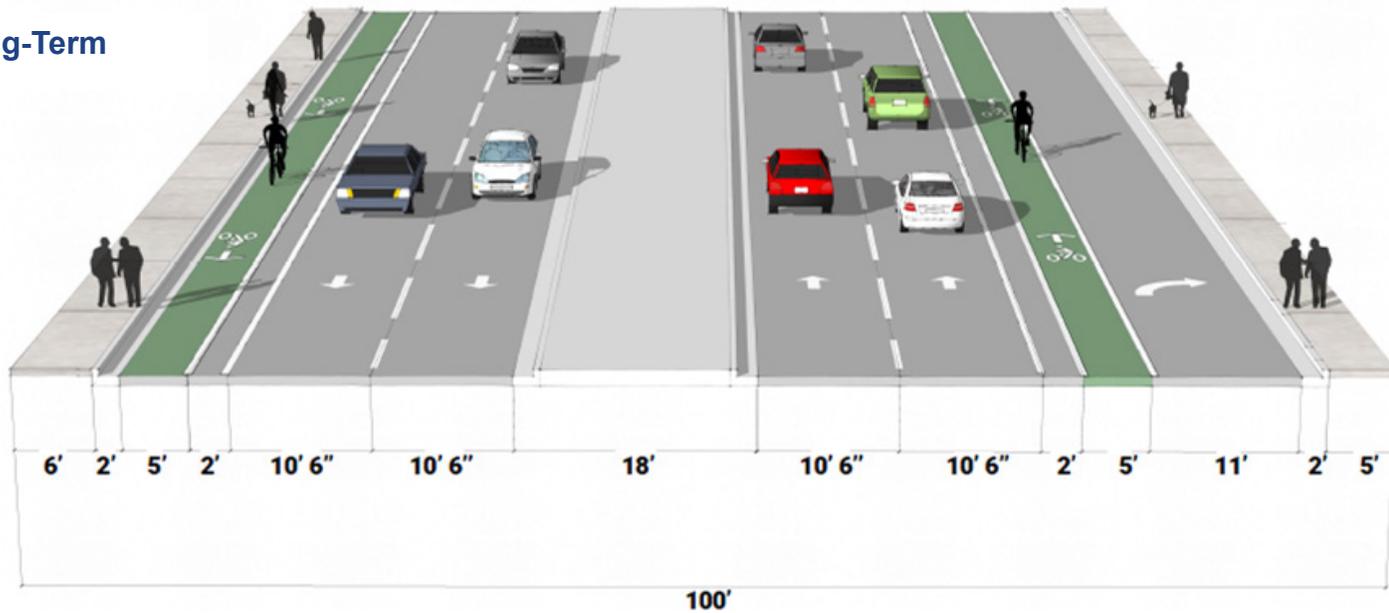


# Melbourne Avenue to U.S. 192

Existing Conditions & Short-Term



Long-Term



# Intersection Alternatives

- Signal Timing

- Optimized signal timings
- Northbound right-turn overlap phasing at U.S. 192

- Turn Lanes

- Dual eastbound left-turn lanes at Eber Boulevard
- Dual eastbound left-turn lanes at Florida Avenue
- Dual westbound left-turn lanes at University Boulevard

- Traffic Signal at Sun Lake Road

- Roundabout and Median U-Turn Intersections

- *For more information regarding each intersection type, please visit the project website at: [www.cflroads.com/project/439858-1](http://www.cflroads.com/project/439858-1)*

# Implementation Strategy

- Candidate Resurfacing (3R) Project – Not Programmed
  - Narrows travel lanes
  - Access management improvements
  - Raised crosswalks
  - Shared use path (where viable)
  - Widen sidewalk on Crane Creek Bridge
  - Fill sidewalk gaps
  - Accessible pads at transit stops

# Implementation Strategy

## ■ Long Term Improvements

- Turn lane improvements
  - Eber Boulevard, Florida Avenue, University Boulevard
- Roundabout intersections
  - Sun Lake Road, Engineering Street, Southgate Boulevard
- Partial median U-turn at Palm Bay Road intersection
- Landscaping
- Two-way separated bike lanes in front of Florida Tech campus
- Buffered bike lane from Melbourne Avenue to U.S. 192

# Project Schedule

We Are Here

| TASK  | 2018 | 2019 | 2020 | 2021 |
|---|------|------|------|------|
| Existing Conditions Analysis                  |      |      |      |      |
| Project Kickoff<br>Public Information Meeting |      |      |      |      |
| Future Conditions Analysis / Purpose & Need   |      |      |      |      |
| Alternatives Analysis                         |      |      |      |      |
| Alternatives Public Information Meeting       |      |      |      |      |
| Project Wrap-Up                               |      |      |      |      |

Project Team Meeting

Public Information Meeting

Project Completion

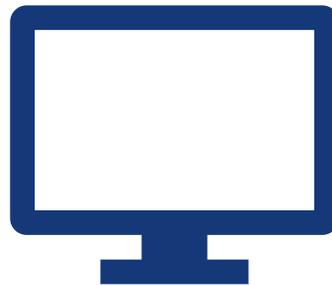
# Public Comments and Questions

In-person

Virtually

Mail

By phone



Please submit your comments and questions by May 28, 2021.

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  - Online at the project website [www.cflroads.com/project/439858-1](http://www.cflroads.com/project/439858-1)
- By email to FDOT Project Manager
- By U.S. mail to FDOT Project Manager
- By phone at (386) 943-5422

## Project Manager Contact Information

Ennis Davis, AICP  
719 S. Woodland Blvd, MS 501  
DeLand, Florida 32720  
[Ennis.Davis@dot.state.fl.us](mailto:Ennis.Davis@dot.state.fl.us)  
(386) 943-5422

# Thank you for participating.

Please submit comments and questions by May 28, 2021

Ennis.Davis@dot.state.fl.us



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DeLand, Florida 32720



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[www.cflroads.com/project/439858-1](http://www.cflroads.com/project/439858-1)

# We are experiencing technical difficulties

**Our team is actively  
working to fix the issue and  
hope to have this resolved  
soon.**

Thank you for your patience.